

CONTROL4 CORP  
Form 10-Q  
October 30, 2015  
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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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FORM 10-Q

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(Mark one)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2015

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from     to     .

Commission file number 001-36017

Control4 Corporation

(Exact name of registrant as specified in its charter)

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Delaware  
(State or other jurisdiction of incorporation or organization) 42-1583209  
(I.R.S. Employer Identification No.)

11734 S. Election Road  
Salt Lake City, Utah 84020  
(Address of principal executive offices) (Zip Code)

(801) 523-3100  
(Registrant's telephone number, including area code)

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Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definition of "accelerated filer", "large accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

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(do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  
No

On October 22, 2015, 23,990,447 shares of the registrant's Common Stock, \$0.0001 par value, were outstanding.

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## PART I — Financial Information

## ITEM 1. Condensed Consolidated Financial Statements

## CONTROL4 CORPORATION

## CONDENSED CONSOLIDATED BALANCE SHEETS

(in thousands, except share data)

	December 31, 2014 (unaudited)	September 30, 2015
Assets		
Current assets:		
Cash and cash equivalents	\$ 29,187	\$ 18,737
Restricted cash	311	303
Short-term investments	53,523	43,977
Accounts receivable, net	20,155	22,292
Inventories	14,212	18,057
Prepaid expenses and other current assets	2,075	2,953
Total current assets	119,463	106,319
Property and equipment, net	5,089	6,471
Long-term investments	14,509	21,662
Intangible assets, net	1,409	4,737
Goodwill	231	2,648
Other assets	1,329	1,625
Total assets	\$ 142,030	\$ 143,462
Liabilities and stockholders' equity		
Current liabilities:		
Accounts payable	\$ 15,016	\$ 17,009

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Accrued liabilities	4,750	4,933
Deferred revenue	843	1,188
Current portion of notes payable	915	774
Total current liabilities	21,524	23,904
Notes payable	913	332
Other long-term liabilities	1,291	1,130
Total liabilities	23,728	25,366
Commitments and contingencies		
Stockholders' equity:		
Common stock, \$0.0001 par value; 500,000,000 shares authorized; 24,305,381 and 24,545,107 shares issued; 24,305,381 and 23,987,446 shares outstanding at December 31, 2014 and September 30, 2015 (unaudited), respectively	2	2
Treasury stock, at cost; 0 and 557,661 shares at December 31, 2014 and September 30, 2015 (unaudited), respectively	—	(4,942)
Additional paid-in capital	212,388	218,851
Accumulated deficit	(93,928)	(94,927)
Accumulated other comprehensive loss	(160)	(888)
Total stockholders' equity	118,302	118,096
Total liabilities and stockholders' equity	\$ 142,030	\$ 143,462

See accompanying notes to condensed consolidated financial statements (unaudited).

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## CONTROL4 CORPORATION

## CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

(in thousands, except per share data)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
	(unaudited)		(unaudited)	
Revenue	\$ 39,120	\$ 43,558	\$ 107,636	\$ 120,282
Cost of revenue	18,847	21,748	52,160	60,532
Gross margin	20,273	21,810	55,476	59,750
Operating expenses:				
Research and development	6,647	8,191	20,519	24,308
Sales and marketing	6,876	8,489	19,541	23,668
General and administrative	3,530	4,220	10,658	13,129
Litigation settlement	10	—	45	—
Total operating expenses	17,063	20,900	50,763	61,105
Income (loss) from operations	3,210	910	4,713	(1,355)
Other income (expense):				
Interest, net	24	79	25	142
Other income (expense)	(221)	(112)	(150)	(452)
Total other income (expense)	(197)	(33)	(125)	(310)
Income (loss) before income taxes	3,013	877	4,588	(1,665)
Income tax expense (benefit)	250	(314)	353	(666)
Net income (loss)	\$ 2,763	\$ 1,191	\$ 4,235	\$ (999)
Net income (loss) per common share:				
Basic	\$ 0.12	\$ 0.05	\$ 0.18	\$ (0.04)
Diluted	\$ 0.11	\$ 0.05	\$ 0.16	\$ (0.04)
Weighted-average number of shares:				
Basic	23,840	24,129	23,559	24,260
Diluted	25,590	24,856	25,671	24,260

See accompanying notes to condensed consolidated financial statements (unaudited).





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## CONTROL4 CORPORATION

## CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)

(in thousands)

	Three Months		Nine Months Ended	
	Ended		September 30,	
	September 30,	September 30,	September 30,	September 30,
	2014	2015	2014	2015
	(unaudited)		(unaudited)	
Net income (loss)	\$ 2,763	\$ 1,191	\$ 4,235	\$ (999)
Other comprehensive income (loss):				
Foreign currency translation adjustment, net of tax	(53)	(547)	(35)	(793)
Net unrealized gains (losses) on available-for-sale investments, net of tax	(46)	37	(46)	65
Total other comprehensive income loss	(99)	(510)	(81)	(728)
Comprehensive income (loss)	\$ 2,664	\$ 681	\$ 4,154	\$ (1,727)

See accompanying notes to condensed consolidated financial statements (unaudited).

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## CONTROL4 CORPORATION

## CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(in thousands)

	Nine Months Ended September 30,	
	2014	2015
	(unaudited)	
Operating activities		
Net income (loss)	\$ 4,235	\$ (999)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:		
Depreciation expense	1,880	2,146
Amortization of intangible assets	330	1,113
Provision for doubtful accounts	271	281
Stock-based compensation	3,994	5,336
Excess tax benefit from exercise of options for common stock	(18)	—
Changes in assets and liabilities:		
Accounts receivable	(4,338)	(2,097)
Inventories	(175)	(1,779)
Restricted cash	(334)	—
Prepaid expenses and other current assets	(402)	(566)
Other assets	(24)	(247)
Accounts payable	956	342
Accrued liabilities	(2,072)	(622)
Deferred revenue	99	347
Other long-term liabilities	(26)	(298)
Net cash provided by operating activities	4,376	2,957
Investing activities		
Purchase of available-for-sale investments	(86,765)	(49,095)
Proceeds from sales of available-for-sale investments	2,850	2,018
Proceeds from maturities of available-for-sale investments	11,915	49,535
Purchases of property and equipment	(2,148)	(2,917)
Business acquisitions, net of cash acquired	(1,116)	(8,380)
Net cash used in investing activities	(75,264)	(8,839)
Financing activities		
Proceeds from exercise of options for common stock	4,630	1,127
Excess tax benefit from exercise of options for common stock	18	—
Repurchase of common stock	—	(4,942)

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Repayment of notes payable	(847)	(722)
Net cash provided by (used in) financing activities	3,801	(4,537)
Effect of exchange rate changes on cash and cash equivalents	(9)	(31)
Net decrease in cash and cash equivalents	(67,096)	(10,450)
Cash and cash equivalents at beginning of period	84,546	29,187
Cash and cash equivalents at end of period	\$ 17,450	\$ 18,737
Supplemental disclosure of cash flow information		
Cash paid for interest	\$ 150	\$ 85
Cash paid for taxes	227	431
Supplemental schedule of non-cash investing and financing activities		
Net unrealized losses on available-for-sale investments	46	65

See accompanying notes to condensed consolidated financial statements (unaudited).

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Notes to Condensed Consolidated Financial Statements

(unaudited)

1. Description of Business and Summary of Significant Accounting Policies

Control4 Corporation (“Control4” or the “Company”) is a leading provider of automation and control solutions for the connected home. The Company unlocks the potential of connected devices, making entertainment systems easier to use, homes more comfortable, appliances more energy efficient, and families more secure. The Company was incorporated in the state of Delaware on March 27, 2003.

Unaudited Interim Financial Statements

The accompanying condensed consolidated balance sheets and the condensed consolidated statements of operations, comprehensive income (loss), and cash flows are unaudited. These unaudited interim condensed consolidated financial statements have been prepared in accordance with U.S. generally accepted accounting principles (“GAAP”) on the same basis as the audited consolidated financial statements and, in the opinion of management, reflect all adjustments, consisting of only normal recurring adjustments, considered necessary to present fairly the Company’s financial position, results of operations and cash flows. The results of operations for the three and nine months ended September 30, 2015 are not necessarily indicative of the results that may be expected for the year ending December 31, 2015, or any other future interim or annual period.

These unaudited interim condensed consolidated financial statements should be read in conjunction with the consolidated financial statements and related notes included in the Company’s Annual Report on Form 10-K filed with the Securities and Exchange Commission (the “SEC”) on February 20, 2015. The December 31, 2014 consolidated balance sheet included herein was derived from the audited financial statements as of that date.

Basis of Presentation

The unaudited condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries. All intercompany balances and transactions have been eliminated in the unaudited condensed consolidated financial statements.

## Segment Reporting

Operating segments are identified as components of an enterprise about which separate discrete financial information is available for evaluation by the chief operating decision-maker, the Chief Executive Officer, in making decisions regarding resource allocation and assessing performance. To date, the Company has viewed its operations and manages its business as one operating segment.

## Concentrations of Risk

The Company's accounts receivable are derived from revenue earned from its worldwide network of independent dealers and distributors. The Company's sales to dealers and distributors located outside the United States are generally denominated in United States dollars, except for sales to dealers and distributors located in the United Kingdom and the European Union, which are generally denominated in pounds sterling and the euro, respectively. There were no individual account balances greater than 10% of total accounts receivable at December 31, 2014 and September 30, 2015.

No dealer or distributor accounted for more than 10% of total revenue for the three and nine months ended September 30, 2014 and 2015.

The Company relies on a limited number of suppliers for its contract manufacturing. A significant disruption in the operations of these manufacturers would impact the production of the Company's products for a substantial period of time, which could have a material adverse effect on the Company's business, financial condition and results of operations.

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## Geographic Information

The Company's revenue includes amounts earned through sales to dealers and distributors located outside of the United States. With the exception of Canada, no single foreign country accounted for more than 10% of total revenue for the three and nine months ended September 30, 2014 and 2015. The following table sets forth revenue from the U.S., Canadian and all other international dealers and distributors combined (in thousands):

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Revenue-United States	\$ 25,517	\$ 29,300	\$ 71,211	\$ 80,571
Revenue-Canada	4,140	3,702	10,802	10,910
Revenue-all other international sources	9,463	10,556	25,623	28,801
Total revenue	\$ 39,120	\$ 43,558	\$ 107,636	\$ 120,282
International revenue (excluding Canada) as a percent of total revenue	24	% 24	% 24	% 24

## Use of Accounting Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. On an ongoing basis, the Company evaluates its estimates including those related to revenue recognition, sales returns, provisions for doubtful accounts, product warranty, inventory obsolescence, litigation, determination of fair value of stock options, deferred tax asset valuation allowances and income taxes. Actual results may differ from those estimates.

## Product Warranty

The Company provides its customers a limited product warranty of two years, which requires the Company, at its option, to repair or replace defective products during the warranty period at no cost to the customer or refund the purchase price. The Company estimates the costs that may be incurred to replace, repair or issue a refund for defective

products and records a reserve at the time revenue is recognized. Factors that affect the Company's warranty liability include the number of installed systems, the Company's historical experience and management's judgment regarding anticipated rates of product warranty returns, net of refurbished products. The Company assesses the adequacy of its recorded warranty liability each period and makes adjustments to the liability as necessary. Warranty costs accrued includes amounts accrued for products at the time of shipment, adjustments for changes in estimated costs for warranties on products shipped in the period, and changes in estimated costs for warranties on products shipped in prior periods. It is not practicable for the Company to determine the amounts applicable to each of these components.

The following table presents the changes in the product warranty liability (in thousands):

	Warranty Liability
Balance at December 31, 2014	\$ 1,191
Warranty costs accrued	1,524
Warranty claims	(1,271)
Balance at September 30, 2015	\$ 1,444

#### Net Income (Loss) Per Share

Basic net income (loss) per share is computed using the weighted-average number of common shares outstanding during the period. Diluted net income (loss) per share is computed using the weighted-average number of common shares outstanding and potentially dilutive common shares outstanding during the period that have a



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dilutive effect on net income per share. Potentially dilutive common shares result from the assumed exercise of outstanding stock options and settlement of restricted stock units.

The following table presents the reconciliation of the numerator and denominator used in the calculation of basic and diluted net income (loss) per share (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Numerator:				
Net income (loss)	\$ 2,763	\$ 1,191	\$ 4,235	\$ (999)
Denominator:				
Weighted average common stock outstanding for basic net income (loss) per common share	23,840	24,129	23,559	24,260
Effect of dilutive securities—stock options and restricted stock units	1,750	727	2,112	—
Weighted average common shares and dilutive securities outstanding	25,590	24,856	25,671	24,260

In a net loss position, diluted net loss per share is computed using only the weighted-average number of common shares outstanding during the period, as any additional common shares would be anti-dilutive as they would decrease the loss per share. Potentially dilutive securities, including common equivalent shares, in which the assumed proceeds exceed the average market price of common stock for the applicable period, were not included in the calculation of diluted net income per share as their impact would be anti-dilutive. The following weighted-average common stock equivalents were anti-dilutive and therefore were excluded from the calculation of diluted net income (loss) per share (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Options to purchase common stock	1,245	2,687	912	4,796
Restricted stock units	—	—	—	87
Total	1,245	2,687	912	4,883

## Recent Accounting Pronouncements

In May 2014, the FASB issued ASU 2014-09, “Revenue from Contracts with Customers (Topic 606),” which amends the guidance in ASC 605, “Revenue Recognition.” The core principle of the guidance is that an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. In August 2015, the FASB issued ASU 2015-14, deferring the effective date of this standard for one year, and is now effective for annual reporting periods beginning after December 15, 2017, including interim periods within that reporting period. The deferred standard allows early adoption of the standard on the original effective date of December 15, 2016. The Company is still evaluating the impact of adopting this guidance as well as whether the Company will apply the amendments retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of applying this update at the date of initial application.

In August 2014, the FASB issued ASU 2014-15, “Presentation of Financial Statements — Going Concern (Subtopic 205-40).” The amended guidance requires an entity to prepare financial statements under the liquidation basis of accounting in accordance with Subtopic 205-30, Presentation of Financial Statements—Liquidation Basis of Accounting, if liquidation of the entity becomes imminent. The guidance is effective for the annual period ending on December 31, 2016, and for annual periods and interim periods thereafter. Early application is permitted. The Company early adopted this guidance, and the adoption of this guidance did not have an impact on the Company’s results of operations, financial position, or cash flows.

In April 2015, the FASB issued ASU 2015-05, “Intangibles – Goodwill and Other – Internal-Use Software (Subtopic 350-40) – Customers Accounting for Fees Paid in a Cloud Computing Arrangement.” This update provides guidance regarding the accounting for fees paid by a customer in cloud computing arrangements. If a cloud

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computing arrangement includes a software license, the payment of fees should be accounted for in the same manner as the acquisition of other software licenses. If there is no software license, the fees should be accounted for as a service contract. The guidance is effective in fiscal years beginning after December 15, 2015 and early adoption is permitted. An entity can elect to adopt the amendments either (1) prospectively to all arrangements entered into or materially modified after the effective date or (2) retrospectively. The Company adopted this guidance early and will apply the guidance prospectively. The adoption of this guidance did not have an impact on the Company's results of operations, financial position, or cash flows.

In July 2015, the FASB issued ASU 2015-11, "Inventory (Subtopic 330) – Simplifying the Measurement of Inventory." This update requires that inventory within the scope of the guidance be measured at the lower of cost and net realizable value. Inventory measured using last-in, first-out (LIFO) and the retail inventory method (RIM) are not impacted by the new guidance. The guidance is effective in fiscal years beginning after December 15, 2016, including interim periods within those years. Prospective application is required. Early adoption is permitted as of the beginning of an interim or annual reporting period. The Company is evaluating the impact of adopting this guidance.

In September 2015, the FASB issued ASU 2015-16, "Business Combinations (Topic 805) – Simplifying the Accounting for Measurement-Period Adjustments." This update eliminates the requirement to restate prior period financial statements for measurement period adjustments. The new guidance requires that the cumulative impact of a measurement period adjustment (including the impact on prior periods) be recognized in the reporting period in which the adjustment is identified. The new standard should be applied prospectively to measurement period adjustments that occur after the effective date. The new standard is effective for interim and annual periods beginning after December 15, 2015 and early adoption is permitted. The Company adopted this guidance early, and the adoption of this guidance did not have an impact on the Company's results of operations, financial position, or cash flows, other than the measurement period adjustment discussed in Note 4.

## 2. Balance Sheet Components

Inventories consisted of the following (in thousands):

	December 31, 2014	September 30, 2015
Finished goods	\$ 13,324	\$ 14,694
Work-in-process	—	379
Component parts	888	2,984
	\$ 14,212	\$ 18,057

Property and equipment, net consisted of the following (in thousands):

	December 31, 2014	September 30, 2015
Computer equipment and software	\$ 4,390	\$ 4,602
Manufacturing tooling and test equipment	2,777	4,030
Lab and warehouse equipment	2,652	3,186
Leasehold improvements	2,357	2,929
Furniture and fixtures	2,298	2,834
Marketing equipment	662	559
	15,136	18,140
Less: accumulated depreciation	(10,047)	(11,669)
	\$ 5,089	\$ 6,471

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Other assets consisted of the following (in thousands):

	December 31, 2014	September 30, 2015
Deposits	\$ 697	\$ 1,062
Prepaid licensing	632	563
	\$ 1,329	\$ 1,625

Accrued liabilities consisted of the following (in thousands):

	December 31, 2014	September 30, 2015
Sales returns and warranty accruals	\$ 2,019	\$ 2,622
Compensation accruals	1,614	2,002
Other accrued liabilities	1,117	309
	\$ 4,750	\$ 4,933

### 3. Financial Instruments

#### Fair Value Measurements

The Company's financial assets that are measured at fair value on a recurring basis consist of money market funds and available-for-sale investments. The following three levels of inputs are used to measure the fair value of financial instruments:

Level 1: Quoted prices in active markets for identical assets or liabilities.

Level 2: Observable inputs other than quoted prices in active markets for identical assets and liabilities, quoted prices for identical or similar assets or liabilities in inactive markets, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.

Level 3: Unobservable inputs are used when little or no market data is available.

The fair values for substantially all of the Company's financial assets are based on quoted prices in active markets or observable inputs. For Level 2 securities, the Company uses a third-party pricing service which provides documentation on an ongoing basis that includes, among other things, pricing information with respect to reference data, methodology, inputs summarized by asset class, pricing application and corroborative information.

#### Cash, Cash Equivalents and Marketable Securities

The Company determines realized gains or losses on the sale of marketable securities on a specific identification method. During the three and nine months ended September 30, 2015, the Company did not record significant realized gains or losses on the sales of available-for-sale investments.

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The following tables show the Company's cash and available-for-sale investments' adjusted cost, gross unrealized gains, gross unrealized losses and fair value by significant investment category recorded as cash and cash equivalents or short- or long-term investments as of December 31, 2014 and September 30, 2015 (in thousands):

	December 31, 2014						
	Adjusted Cost	Unrealized Gains	Unrealized Losses	Fair Value	Cash and Cash Equivalents	Short-term Investments	Long-term Investments
Cash	\$ 13,077	\$ —	\$ —	\$ 13,077	\$ 13,077	\$ —	\$ —
Level 1:							
Money market funds	16,110	—	—	16,110	16,110	—	—
Subtotal	16,110	—	—	16,110	16,110	—	—
Level 2:							
Asset-backed securities	4,458	—	(3)	4,455	—	—	4,455
Corporate bonds	54,321	2	(46)	54,277	—	46,726	7,551
Commercial paper	6,797	—	—	6,797	—	6,797	—
U.S. agency securities	2,503	—	—	2,503	—	—	2,503
Subtotal	68,079	2	(49)	68,032	—	53,523	14,509
Total	\$ 97,266	\$ 2	\$ (49)	\$ 97,219	\$ 29,187	\$ 53,523	\$ 14,509

	September 30, 2015						
	Adjusted Cost	Unrealized Gains	Unrealized Losses	Fair Value	Cash and Cash Equivalents	Short-term Investments	Long-term Investments
Cash	\$ 10,954	\$ —	\$ —	\$ 10,954	\$ 10,954	\$ —	\$ —
Level 1:							
Money market funds	6,083	—	—	6,083	6,083	—	—
U.S. government notes	998	3	—	1,001	—	—	1,001
Subtotal	7,081	3	—	7,084	6,083	—	1,001

## Level 2:

Asset-backed securities	8,099	8	—	8,107	—	—	8,107
Corporate bonds	49,368	17	(14)	49,371	—	37,825	11,546
Commercial paper	5,349	—	—	5,349	1,700	3,649	—
U.S. agency securities	3,507	4	—	3,511	—	2,503	1,008
Subtotal	66,323	29	(14)	66,338	1,700	43,977	20,661
Total	\$ 84,358	\$ 32	\$ (14)	\$ 84,376	\$ 18,737	\$ 43,977	\$ 21,662

As of September 30, 2015, the Company considers the declines in market value of its investment portfolio to be temporary in nature and does not consider any of its investments other-than-temporarily impaired. During the three and nine months ended September 30, 2015, the Company did not recognize any significant impairment charges. The Company typically invests in highly-rated securities, and its investment policy generally limits the amount of credit exposure to any one issuer. The policy requires investments generally to be investment grade, with the primary objective of minimizing the potential risk of principal loss. Fair values were determined for each individual security in the investment portfolio. The maturities of the Company's long-term investments range from one to two years. When evaluating an investment for other-than-temporary impairment the Company reviews factors such as the length of time and extent to which fair value has been below its cost basis, the financial condition of the issuer and any changes thereto, changes in market interest rates, and the Company's intent to sell, as well as the fact



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it is not more likely than not that the Company will be required to sell the investment before recovery of the investment's cost basis, which may be maturity.

Fair Value of Other Financial Instruments

The carrying amounts reported in the accompanying consolidated financial statements for cash and cash equivalents, restricted cash, accounts payable and accrued liabilities approximate their fair value because of the short term nature of the accounts. The fair value of the notes payable approximates its carrying value based on the variable nature of interest rates and current market rates available to the Company (see Note 5). As a result, the balance of the notes payable is categorized within the Level 2 fair value hierarchy.

Derivative Financial Instruments

The Company has foreign currency exposure related to the operations in the United Kingdom, Australia, as well as other foreign locations. The Company has entered into forward contracts to help offset the exposure to movements in foreign currency exchange rates in relation to certain U.S. dollar denominated balance sheet accounts of its subsidiaries in the United Kingdom and Australia. The foreign currency derivatives are not designated as accounting hedges. The Company recognizes these derivative instruments as either assets or liabilities in the accompanying Condensed Consolidated Balance Sheets at fair value. The Company records changes in the fair value (i.e. gains or losses) of these derivative instruments in the accompanying Condensed Consolidated Statements of Operations as Other income (expense), net.

The Company settles its foreign exchange contracts on the last day of every month and enters into a new forward contract for the next month. As a result, there are no assets or liabilities recorded in the accompanying Condensed Consolidated Balance Sheets related to derivative instruments as of September 30, 2015. However, the notional principal of foreign exchange contracts for October 2015 was \$6.9 million as of September 30, 2015. The Company did not enter into foreign currency forward contracts during 2014.

The following table shows the pre-tax gains (losses) of the Company's derivative instruments not designated as hedging instruments (in thousands):

		Three Months Ended September 30,		Nine Months Ended September 30,	
	Income Statement Location	2014	2015	2014	2015
Foreign exchange contracts	Other income (expense), net	\$ —	\$ 418	\$ —	\$ 318

#### 4. Goodwill and Intangible Assets

On January 30, 2015, the Company, through its newly-formed, wholly-owned subsidiary, Control4 Australia Pty Ltd (“Control4 Australia”), completed the acquisition of Nexus Technologies Pty Ltd (“Nexus”), an Australia-based provider of audio/video distribution products (under the brand of “Leaf”), pursuant to a Share Sale Agreement dated January 30, 2015, by and among Control4 Australia and all of the shareholders of Nexus, under which Control4 Australia purchased all of the issued and outstanding shares of Nexus from its shareholders and Nexus became a wholly-owned subsidiary of Control4 Australia. The total consideration transferred was \$8.5 million in cash. Of the cash consideration, \$750,000 of cash was deposited in escrow as partial security for the indemnification obligations of the Nexus shareholders pursuant to the Share Sale Agreement, which will be released to the Nexus shareholders one year from the acquisition date, provided that there are no claims made against the escrow amount. Additionally, the Company incurred approximately \$0.6 million in acquisition-related expenses accounted for in general and administrative expenses. The Company had previously sold select Leaf products to its North American dealer network. Through this acquisition, the Company believes it now offers a complete array of video distribution solutions under the Control4 brand to Control4 customers worldwide, will gain market share in the growing audio and video (A/V) category, and will leverage Leaf’s valuable engineering expertise to develop new and innovative A/V solutions.

The Company determined the Nexus acquisition was not a significant acquisition under Rule 3-05 of Regulation S-X.

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Total consideration transferred was allocated to tangible and identifiable intangible assets acquired and liabilities assumed based on their fair values at the acquisition date as set forth below. Management estimated the fair values of tangible and intangible assets and liabilities in accordance with the applicable accounting guidance for business combinations. The preliminary allocation of consideration transferred is subject to potential adjustments to acquired deferred tax assets and liabilities as these tax estimates are pending the completion of tax returns for the acquired entity. These adjustments could have a material impact on the consolidated financial statements. The Company expects the allocation of the consideration transferred to be final within the measurement period (up to one year from the acquisition date). Due to new information obtained related to warranty and tax liabilities based on facts that existed at the acquisition date, the Company recorded measurement period adjustments to other assets acquired, goodwill, and other liabilities assumed. The net change to goodwill was an increase of \$0.2 million. Had these adjustments been recorded as of the acquisition date, the Company's cost of revenue would have decreased \$0.1 million for the three months ended March 31, 2015, decreased \$0.1 million for the three months ended June 30, 2015, and increased \$0.2 million for the three months ended September 30, 2015, respectively.

The Company's preliminary allocation of consideration transferred for Nexus is as follows (in thousands):

	Estimated Fair Value
Cash	\$ 121
Inventory	2,346
Other assets acquired	1,589
Intangible assets	5,030
Goodwill	2,780
Total assets acquired	11,866
Accounts payable	2,273
Warranty liability	480
Other liabilities assumed	613
Total net assets acquired	\$ 8,500

## Amortizable Intangible Assets

The Company's intangible assets and related accumulated amortization consisted of the following as of December 31, 2014 and September 30, 2015 (in thousands):

	December 31, 2014		
	Gross Carrying Amount	Accumulated Amortization	Net
Developed technology	\$ 2,597	\$ (1,214)	\$ 1,383
Non-competition agreements	53	(27)	26
Total intangible assets	\$ 2,650	\$ (1,241)	\$ 1,409
	September 30, 2015		
	Gross Carrying Amount	Accumulated Amortization	Net
Developed technology	\$ 6,712	\$ (2,272)	\$ 4,440
Customer relationships	326	(47)	279
Non-competition agreements	53	(35)	18
Total intangible assets	\$ 7,091	\$ (2,354)	\$ 4,737

The weighted average amortization period for acquired technology, customer relationships and non-competition agreements is 4.8 years, 5.0 years, and 2.0 years, respectively; and 4.8 years for all amortizable intangible assets in total.

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The Company recorded amortization expense during the respective periods for these intangible assets as follows: (in thousands):

	Three Months		Nine Months	
	Ended		Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Amortization of intangible assets	\$ 134	\$ 385	\$ 330	\$ 1,113

Amortization of finite lived intangible assets as of September 30, 2015 for the next five years is as follows (in thousands):

	Amount
2015	\$ 354
2016	1,296
2017	1,115
2018	1,021
2019	878
2020	73
	\$ 4,737

## Goodwill

Changes in the carrying amount of goodwill consisted of the following (in thousands):

	Amount
Balance at December 31, 2014	\$ 231
Current period acquisitions	2,780
Foreign currency translation adjustment	(363)
Balance at September 30, 2015	\$ 2,648

Goodwill represents the excess of consideration transferred over the fair value of assets acquired and liabilities assumed and is attributable to assembled workforces as well as the benefits expected from combining the Company's research and engineering operations with the acquired company's. The Company's goodwill associated with Nexus has tax basis but is not currently deductible for income tax purposes, due to Australian tax laws. The Company's remaining goodwill does not have tax basis and, therefore, is not deductible for income tax purposes.

## 5. Long-Term Obligations

### Loan and Security Agreement

In June 2013, the Company entered into an Amended and Restated Loan and Security Agreement with Silicon Valley Bank (the "SVB Agreement"), which consists of a revolving credit facility of \$13.0 million (subject to certain borrowing base restrictions) and term borrowings to fund purchases of property and equipment. All borrowings under the SVB Agreement are collateralized by the general assets of the Company. Term borrowings are payable in 42 equal monthly payments of principal plus interest and bear interest at prime plus 0.50%, which was 3.75% at September 30, 2015.

The Company believes that it has sufficient working capital to fund its operating and investing activities and accordingly did not renew the revolving credit facility upon maturity in May 2015.

The SVB Agreement contains various restrictive and financial covenants and the Company was in compliance with each of these covenants as of September 30, 2015.

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6. Income Taxes

In order to determine the quarterly provision for income taxes, the Company considers the estimated annual effective tax rate, which is based on expected annual taxable income and statutory tax rates in the various jurisdictions in which the Company operates. Certain significant or unusual items are separately recognized in the quarter during which they occur and can be a source of variability in the effective tax rates from quarter to quarter.

Income tax expense was \$0.3 million and the income tax benefit was \$0.3 million for the three months ended September 30, 2014 and 2015, respectively, or approximately 8% and 36% of income (loss) before income taxes, respectively. Income tax expense was \$0.4 million and income tax benefit was \$0.7 million for the nine months ended September 30, 2014 and 2015, respectively, or approximately 8% and 40% of income (loss) before income taxes, respectively. The effective tax rate for the three and nine months ended September 30, 2015 differs from the U.S. federal statutory rate of 34% primarily due to the domestic valuation allowance offsetting most of the statutory rate. The rate is increased by foreign income taxes, minimum state income taxes or taxes in states for which net operating loss carryforwards are not available, the U.S. federal alternative minimum tax and the impact of incentive stock options as well as other permanent differences. As of December 31, 2014, our net operating loss (“NOL”) carryforward amounts for U.S. federal income and state tax purposes were \$85.6 million and \$86.1 million, respectively. In addition to the NOL carryforwards, as of December 31, 2014, we had U.S. federal and state research and development credit carryforwards of \$3.8 million and \$2.8 million, respectively.

Significant judgment is required in determining the provision for income taxes, recording valuation allowances against deferred tax assets and evaluating uncertain tax positions. In evaluating the Company’s ability to recover deferred tax assets, in full or in part, the Company considers all available positive and negative evidence, including past operating results, the forecast of future market growth, forecasted earnings, future taxable income and prudent and feasible tax planning strategies. Due to historical net losses incurred and the uncertainty of realizing the deferred tax assets, for all the periods presented, the Company has a full valuation allowance against all U.S. deferred tax assets. To the extent that the Company generates positive income and expects, with reasonable certainty, to continue to generate positive domestic income, the Company may release all or a portion of the valuation allowance in a future period. This release would result in the recognition of certain deferred tax assets and a decrease to income tax expense for the period such release is made. In addition, the effective tax rate in subsequent periods would increase, and more closely approximate the federal statutory rate of 34%, excluding state income taxes, foreign income taxes and the effect of incentive stock options and permanent differences.

The Company files income tax returns in the United States, including various state and local jurisdictions. The Company’s subsidiaries file income tax returns in the United Kingdom, Australia, Hong Kong, China, Germany, and India. The Company is subject to examination in the United States, the United Kingdom, Australia, Hong Kong, China, Germany, and India as well as various state jurisdictions. As of September 30, 2015, the Company was not under examination by any tax authorities. Tax years beginning in 2012 are subject to examination by tax authorities in the United States and in some states tax years as early as 2011 are subject to examination by tax authorities, although net operating loss and credit carryforwards from all years are subject to examinations and adjustments for at least three years following the year in which the attributes are used. Tax years beginning in 2011 are subject to examination by

the taxing authorities in Australia and Hong Kong. Tax years beginning in 2012 are subject to examination by the taxing authorities in China, Hong Kong, and India. Tax years beginning in 2013 are subject to examination by the taxing authorities in the United Kingdom. Tax years beginning in 2015 are subject to examination by the taxing authorities in Germany.

## 7. Equity Compensation

### Stock Options

In 2003, the Board of Directors adopted the 2003 Equity Incentive Plan (the “2003 Plan”), which provided for the granting of nonqualified and incentive stock options, stock appreciation rights, stock awards and restricted stock. Under the 2003 Plan, the Company was able to grant nonqualified and incentive stock options to directors, employees and non-employees providing services to the Company. On June 11, 2013, the Company’s Board of Directors adopted the 2013 Stock Option and Incentive Plan (the “2013 Plan”), which was subsequently approved by the Company’s stockholders. The 2013 Plan became effective as of the closing of the Company’s initial public



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offering. To the extent that any awards outstanding under the 2003 Plan are forfeited or lapse unexercised subsequent to August 1, 2013, the shares of common stock subject to such awards will become available for issuance under the 2013 Plan. The 2013 Plan provides for annual increases in the number of reserved shares of up to 5% of the outstanding number of shares of the Company's Common Stock as of the preceding December 31. On January 1, 2015, the number of reserved shares was increased by 1,215,269 shares in accordance with the provisions of the 2013 Plan.

A summary of stock option activity for the nine months ended September 30, 2015 is presented below:

	Shares Subject to Options Outstanding	Weighted Average Grant Date Fair Value	Weighted Average Exercise Price	Weighted Average Remaining Contractual Life (Years)
Balance at December 31, 2014	4,851,221		\$ 10.57	
Granted	212,616	\$ 5.53	10.95	
Exercised	(239,726)		4.82	
Expired	(13,651)		12.33	
Forfeited	(109,170)		15.37	
Balance at September 30, 2015	4,701,290		10.76	
Exercisable options at September 30, 2015	3,001,261		8.28	5.2
Vested and expected to vest at September 30, 2015	4,570,238		10.63	6.3

The following table summarizes information about stock options outstanding and exercisable at September 30, 2015:

Range of Exercise Prices	Options Outstanding			Options Exercisable		
	Weighted Average Exercise Price	Number of Underlying Shares	Weighted- Average Remaining Contractual Life (in years)	Number of Underlying Shares	Weighted- Average Remaining Contractual Life (in years)	
\$ 1.71 - 2.66	2.47	211,587	1.1	211,587	1.1	
\$ 3.38 - 6.14	5.64	1,437,561	4.6	1,428,774	4.6	
\$ 6.34 - 9.94	8.34	1,013,900	6.5	769,963	6.0	
\$ 11.28 - 16.97	13.71	1,272,685	8.3	279,527	6.3	

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\$ 17.66	-	22.92	20.99	765,557	8.2	311,410	7.8
				4,701,290		3,001,261	

For the stock option awards vested during the three and nine months ended September 30, 2015, the total fair value was \$1.7 million and \$6.0 million, respectively. The following table summarizes the aggregate intrinsic-value of options exercised, exercisable and vested and expected to vest (in thousands):

	For the Nine Months Ended and as of September 30,	
	2014	2015
Options Exercised	\$ 17,856	\$ 1,327
Options Exercisable	19,883	5,333
Options Vested and Expected to Vest	23,644	5,389

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The fair value of each option award is estimated on the date of grant using the Black-Scholes option-pricing model with the following assumptions:

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Expected volatility	57 - 58 %	53 %	56 - 60 %	53 - 55 %
Expected dividends	— %	— %	— %	— %
Expected terms (in years)	6.1	5.3 - 6.1	3.8 - 6.1	5.3 - 6.1
Risk-free rate	1.8 - 1.9 %	1.5 - 1.8 %	1.1 - 2.0 %	1.3 - 1.8 %

## Restricted stock units

A summary of restricted stock unit activity for the nine months ended September 30, 2015 is presented below:

	Number of Shares	Weighted Average Grant Date Fair Value
Non-vested balance at December 31, 2014	—	
Awarded	388,000	\$ 8.30
Vested	—	
Forfeited	—	
Non-vested balance at September 30, 2015	388,000	

There were no restricted stock units vested during the three and nine months ended September 30, 2015.

## Stock-based compensation expense

Total stock-based compensation expense has been classified as follows in the accompanying statements of operations (in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Cost of revenue	\$ 29	\$ 40	\$ 77	\$ 126
Research and development	562	706	1,682	2,145
Sales and marketing	296	457	810	1,298
General and administrative	452	605	1,425	1,767
Total stock-based compensation expense	\$ 1,339	\$ 1,808	\$ 3,994	\$ 5,336

At September 30, 2015, there was \$13.6 million of total unrecognized compensation cost related to non-vested stock option awards that will be recognized over a weighted-average period of 2.6 years. At September 30, 2015, there was \$3.1 million of total unrecognized compensation cost related to non-vested restricted stock units that will be recognized over a weighted-average period of 3.9 years.

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8. Share Repurchases

In May 2015, the Company's Board of Directors authorized the repurchase of up to \$20 million in Control4 common stock from time to time on the open market. The authorization by the Board of Directors will expire after one year, or when terminated earlier. During the three and nine months ended September 30, 2015, the Company repurchased 330,386 shares and 557,661 shares for \$2.8 million and \$4.9 million, respectively, and is shown in the accompanying Condensed Consolidated Balance Sheets as a reduction of Stockholders' Equity. As of September 30, 2015, we have \$15.1 million remaining to repurchase shares of common stock under this share repurchase program.

9. Related Party Transactions

The former owner of Nexus, who is now an employee of the Company, owned and operated a Control4 authorized distributorship in Dubai until September 13, 2015, when he sold the distributorship to an unrelated third party. Revenue from product sales to that distributor for the period from the acquisition date of January 30, 2015 through September 13, 2015 was \$0.4 million. Revenue from product sales to that distributor from July 1, 2015 through September 13, 2015 was \$0.1 million.

10. Commitments and Contingencies

Operating Leases

The Company leases office and warehouse space under operating leases that expire between 2015 and 2018. The terms of the leases include periods of free rent, options for the Company to extend the leases (three to five years) and increasing rental rates over time. The Company recognizes rental expense under these operating leases on a straight-line basis over the lives of the leases and has accrued for rental expense recorded but not paid.

Rental expense was approximately \$0.5 million and \$0.5 million for the three months ended September 30, 2014 and 2015, respectively, and \$1.3 million and \$1.4 million for the nine months ended September 30, 2014 and 2015, respectively.

Future minimum rental payments required under non-cancelable operating leases with initial or remaining terms in excess of one year consist of the following as of September 30, 2015 (in thousands):

2015	\$ 549
2016	2,140
2017	1,960
2018	1,042
	\$ 5,691

#### Purchase Commitments

The Company had non-cancellable purchase commitments for the purchase of inventory, which extend through April 2016 totaling approximately \$32.1 million at September 30, 2015.

#### Indemnification

The Company has agreed to indemnify its officers and directors for certain events or occurrences, while the officer or director is or was serving at the Company's request in such capacity. The maximum amount of potential future indemnification is unlimited; however, the Company has a directors' and officers' insurance policy that provides corporate reimbursement coverage that limits its exposure and enables it to recover a portion of any future amounts paid. The Company is unable to reasonably estimate the maximum amount that could be payable under these arrangements since these obligations are not capped but are conditional to the unique facts and circumstances involved. Accordingly, the Company has no liabilities recorded for these agreements as of September 30, 2015.

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Legal Matters

On April 15, 2015, Intuitive Building Controls, Inc. ("IBC"), a corporation organized under the laws of Texas, filed a Complaint against the Company in the Eastern District of Texas, and the Company filed its Answer on June 10, 2015. During April 2015, IBC filed similar complaints against many other companies. IBC's Complaint asserts that the Company's lighting control systems, specifically including its controllers and in-wall touch screens, infringe three United States patents that IBC owns by assignment: U.S. Patent Nos. 6,118,230 (the "230 patent"), 6,160,359 (the "359 patent") and 5,945,993 (the "993 patent"). The Complaint seeks injunctive relief and monetary damages. Based on the Company's preliminary investigation of the patents at issue, the Company does not believe its products infringe any valid or enforceable claim of these patents. Accordingly, the Company is vigorously defending the lawsuit.

On April 28, 2015, the Company received a letter from Certified Measurement, LLC ("Certified Measurement"), alleging that some of the Company's products infringe three patents owned by assignment by Certified Measurement because they acquire physical measurements (such as motion, temperature, lighting, etc.), time-stamp the measurement data, and then perform cryptographic operations. Certified Measurement is a wholly-owned subsidiary of Patent Properties, Inc. ("Patent Properties"). The Company is conducting an investigation of the claims made by Certified Measurement regarding its three patents. Certified Measurement has not initiated litigation against the Company, but the Company believes that Certified Measurement may do so. The Company intends to defend itself vigorously with respect to this and any other related claims or litigation. Since no complaint has been filed and the outcome of any potential legal proceedings related to these claims is uncertain at this time, the Company cannot estimate the amount of liability, if any, which could result from an adverse resolution of this matter.

The Company establishes reserves for specific liabilities in connection with legal actions that it deems to be probable and estimable. In management's opinion, the Company is not currently involved in any legal proceedings other than specifically identified above, that individually or in the aggregate, could have a material effect on the Company's financial condition, operations, or cash flows. Currently, a range of loss associated with any individual material legal proceeding cannot be reasonably estimated.

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ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis is intended to provide greater details of our results of operations and financial condition and should be read in conjunction with our Annual Report on Form 10-K for the year ended December 31, 2014 filed with the U.S. Securities and Exchange Commission (the "SEC") on February 20, 2015, and our condensed consolidated financial statements and the notes thereto included elsewhere in this document as well as other documents we file with the SEC from time to time. Certain statements in this Quarterly Report constitute forward-looking statements and as such, involve risks and uncertainties, as well as assumptions that, if they never materialize or prove incorrect, could cause our results to differ materially from those expressed or implied by such forward-looking statements. Such forward-looking statements include any expectation of earnings, revenues or other financial items; any statements of the plans, strategies and objectives of management for future operations or growth; factors that may affect our operating results; statements related to adding employees; statements related to future capital expenditures; statements related to future economic conditions or performance; statements as to industry trends or market opportunities and other matters that do not relate strictly to historical facts or statements of assumptions underlying any of the foregoing. These statements are often identified by the use of words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may" or "will," and similar expressions or variations. Such forward-looking statements are subject to risks, uncertainties and other factors that could cause actual results and the timing of certain events to differ materially from future results expressed or implied by such forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to those discussed in the section titled "Risk Factors" included in Item 1A of Part II of this Quarterly Report on Form 10-Q, and the risks discussed in our other SEC filings.

We urge you to consider these factors carefully in evaluating the forward-looking statements contained in this Quarterly Report on Form 10-Q and not give undue reliance to these forward-looking statements. These statements are based on the beliefs and assumptions of our management based on information currently available to management. The forward-looking statements included in this Quarterly Report are made only as of the date of this Quarterly Report. All subsequent written or oral forward-looking statements attributable to our company or persons acting on our behalf are expressly qualified in their entirety by these cautionary statements. We do not undertake, and specifically disclaim, any obligation to update any forward-looking statements to reflect the occurrence of events or circumstances after the date of such statements except as required by law.

Our Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A) is provided in addition to the accompanying condensed consolidated financial statements and notes to assist readers in understanding our operations, financial condition and cash flows. MD&A is organized as follows:

- Overview. Discussion of our business and overall analysis of financial and other highlights affecting our business in order to provide context for the remainder of MD&A.



- **Factors and Trends Affecting our Performance.** A summary of certain market factors and trends that we believe are important to our business which we must successfully address in order to continue to grow our business.
- **Key Operating and Financial Metrics.** Key operating and financial metrics that we use to evaluate and manage our business.
- **Results of Operations.** An analysis of our financial results comparing 2015 to 2014.
- **Liquidity and Capital Resources.** An analysis of changes in our balance sheets and cash flows, and discussion of our financial condition and potential sources of liquidity.
- **Non-GAAP Financial Measures.** A reconciliation of certain non-GAAP financial measures used by management to understand and evaluate our operating performance and trends, to prepare and approve our annual budget, and to develop short- and long-term operational plans.

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- Contractual Obligations and Off-Balance Sheet Arrangements. Overview of contractual obligations, contingent liabilities, commitments and off-balance sheet arrangements outstanding as of September 30, 2015, including expected payment schedule.
- Critical Accounting Estimates. Accounting estimates that we believe are most important to understanding the assumptions and judgments incorporated in our reported financial results and forecasts.

## Overview

Control4 is a leading provider of personalized, smart home solutions that are designed to enhance the daily lives of our customers. Our entertainment, smart lighting, comfort and convenience and safety and security solutions unlock the potential of connected devices throughout the house, making entertainment systems easier to use and more accessible, homes more comfortable and energy efficient, and families more secure. Our smart home solutions provide consumers with the ability to integrate audio, video, lighting, temperature, security, communications and other functionalities into a unified home-automation solution, customized to match their lifestyle. Our advanced software powers this customized experience, and is delivered through our controller products, cloud services and user-interface products, enabling cohesive interoperability with thousands of connected Control4 and third-party devices in the home.

Consumers purchase our smart home solutions from our worldwide network of certified independent dealers, regional and national retailers and distributors. These dealers, retailers and distributors design and install customized solutions to fit the specific needs of each consumer, whether it is a one-room home theater set-up or a whole-home automation system that features the integration of audio, video, lighting, temperature, security and communications devices. Our products are installed in both new and existing residences, hotels, multi-dwelling units and small commercial facilities. We refer to revenue from sales of our products through these dealers, retailers and distributors as our Core revenue (“Core revenue”). In addition, a portion of our revenue is attributable to sales in the hospitality industry, which is excluded from our calculation of Core revenue. Our revenue from sales to hotels is generally project-based and has been significant in some periods and insignificant in other periods. In the future, we expect revenue from hospitality to continue to be attributable to large projects and will continue to be uneven from period to period. During the nine months ended September 30, 2015, we sold our products directly to over 3,400 active direct dealers in the United States, Canada, the United Kingdom and 48 other countries, and partnered with 28 distributors to cover an additional 41 countries where we do not have direct dealer relationships. These distributors sell our solutions through their dealers for which they independently provide warehousing, training, technical support, billing and service in each corresponding country.

We derive the vast majority of our revenue from the sale of products that contain our proprietary software, which functions as the operating system of the home. We also generate revenue from the sale of annual subscriptions to our 4Sight subscription service, which allows consumers to remotely access, backup, and control their home control system from their mobile devices, as well as receive e-mail and “push notification” alerts regarding activities in their home. 4Sight also allows dealers to perform remote diagnostic and programming services.



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We were founded in 2003 and began shipping our products and generating revenue in 2005. Our revenue growth rates for the last five complete calendar years are shown in the following table (dollars in millions):

	For the Years Ended December 31,				
	2010	2011	2012	2013	2014
Core revenue	\$ 70.9	\$ 88.3	\$ 105.6	\$ 126.4	\$ 144.7
Core revenue growth over prior year	26 %	25 %	20 %	20 %	14 %
Other revenue	\$ 4.0	\$ 5.1	\$ 3.9	\$ 2.1	\$ 4.1
Other revenue changes over prior year	(65) %	28 %	(24) %	(46) %	95 %
Total revenue	\$ 74.9	\$ 93.4	\$ 109.5	\$ 128.5	\$ 148.8
Total revenue growth over prior year	11 %	25 %	17 %	17 %	16 %

Over the past five years, we have experienced double-digit annual Core revenue growth. Our Core revenue growth during that period has been the result of a combination of both the net addition of new independent dealers and distributors to our sales channels and an increase in revenue from our existing network of independent dealers and distributors. We believe our ability to grow our core sales channel has been enhanced through product innovation and expansion of our product offerings and helping our independent dealers and distributors grow their business and gross margins by providing enhanced dealer installation and marketing tools. For example, over the past twelve months we have announced that we:

- Released Control4® OS 2.8, providing an enhanced user experience for our security and media solutions, including native streaming of Pandora, Deezer and TIDAL music services;
- Released a new line of 4K Ultra HD audio and video switches which are fully HDCP 2.2 compliant, enabling consumers to distribute video throughout their home;
- Released Control4® OS 2.7, with enhanced functionality including HD video intercom and support for our award winning product suite which includes:
  - New gesture-capable, glass-edge, tabletop and in-wall Control4® Touch Screens, which feature a quad core CPU, HD camera, high-quality speakers and microphone, and a fast, high-resolution display providing full frame-rate HD video;
  - New wireless thermostat solution including enhanced user interface, built for comfort control and automation, and jointly developed with climate control specialist Aprilaire; and

- New handheld system remote, which can provide instant access to entertainment and control of the entire home.
- Released an update to our Composer Express software that simplifies installation and configuration for automated entertainment solutions; and
- Partnered with 137 manufacturers of consumer electronics, security, lighting and HVAC that have now adopted the Control4 Simple Device Discovery Protocol (SDDP), making it easier to connect and integrate their products with one another via the Control4 home automation platform. Manufacturers who have embraced SDDP include household names such as Dish Networks, Panasonic, Sony and TiVo.

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While our historical revenue growth has been primarily organic, we have completed several small acquisitions that we believe enhance our product offerings and position us for continued growth in the future. Recent acquisitions of technology and distribution-related business are as follows:

- In January 2015, we acquired Nexus Technologies Pty Ltd. (“Nexus”), a developer and manufacturer of the Leaf Brand of custom audio/video distribution and switching systems. We previously sold certain Leaf products under our Control4 brand and sold other Leaf Products through our on-line ordering platform. Through this acquisition, we now offer a complete array of video distribution solutions under the Control4 brand to Control4 customers worldwide, we gained market share in the growing audio and video (A/V) category, and we leveraged Leaf’s valuable engineering expertise to develop new and innovative A/V solutions.;
- In September 2014, we acquired Extra Vegetables Limited, a UK-based company that developed integration modules and third-party drivers for Control4 and other third-party home automation systems. The acquired drivers are now included in Control4’s driver database and made freely available to Control4’s independent dealers through our installation software, strengthening the Company’s interoperability strategy; and,
- In July 2014, we acquired the home automation products and related intellectual property assets of Card Access, Inc., an engineering and technology company based in Utah. We previously sold these products through a distribution agreement with Card Access.

We plan to continue to identify, acquire and integrate strategic technologies, assets and businesses that we believe will enhance the overall strength of our business, allow us to streamline sales, technical support and training, and enhance our dealers’ ability to grow their businesses.

Historically, we have experienced seasonal variations in our revenue as a result of holiday-related factors that are common in our industry. Our revenue is generally highest in the fourth quarter due to consumers’ desires to complete their home installations prior to the holiday season. We generally see decreased sales in the first quarter due to seasonal purchase tendencies of consumers as well as the impact of winter weather on new construction and travel in certain geographies. We generally expect these seasonal trends to continue in the future, which may cause quarterly fluctuations in our results of operations and certain financial metrics.

## Factors and Trends Affecting Our Performance

A number of industry trends have facilitated our growth over the past several years, including the proliferation of connected devices and the ubiquity and growth of network-enabled homes. From smartphones to smart watches to smart cars, technology is transforming nearly every aspect of our lives, streamlining daily routines and providing quick, easy access to the capabilities and content we want most. Not only are new technologies providing convenience on-the-go, but they are becoming increasingly accessible. Our products leverage both wired and wireless technologies

and are designed to be installed in both new home construction and existing homes. We expect that future increases in either new home construction or existing home renovations will have a positive impact on our revenue.

In new home construction, our builder programs continue to gain traction with regional builders as well as with national builders. Toll Brothers' embrace of Control4 solutions continues to expand, and in December 2014, we signed another leading U.S national home-builder, Ryland Homes, to a similar program and started installation in model homes in select communities. We are also engaging other regional and national builders in similar strategic alliances. We believe home automation is increasingly becoming a higher priority for home buyers, and this is one of the reasons for our increased investment in national and regional builder programs.

Our open platform makes it easy for a broad community of original equipment manufacturer (OEM) partners to participate in our rich, smart home ecosystem, which includes over 9,100 drivers and more than 1,000 SDDP-enabled products. Our broad ecosystem, which includes audio, video, lighting, temperature, security and communication device categories, gives consumers flexibility to integrate nearly any device they wish into their smart home. More importantly, our partners are constantly contributing new device integrations. As such, our

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dynamic ecosystem remains current with the latest, product innovations and allows our smart home platform to grow alongside emerging technologies so as to meet our consumers' changing needs and preferences. We believe that our open platform and the resulting ecosystem is a key competitive advantage that will continue to facilitate our growth.

We believe that the growth of our business and our future success are dependent upon many factors, including the rates at which consumers adopt our products and services, our ability to strengthen and expand our dealer and distributor network, our ability to expand internationally, and our ability to meet competitive challenges. While each of these areas presents significant opportunities for us, they also pose important challenges that we must successfully address in order to sustain or expand the growth of our business and improve our results of operations. These challenges include:

- **Increasing Adoption Rates of Our Products and Services.** We are focused on increasing adoption rates of our products and services through enhancements to our software platform and product offerings. We intend to accomplish these enhancements through both continued investment in research and development activities and acquisitions of complementary businesses and technologies.
- **Increasing Our Brand Awareness.** We are committed to grow awareness of the Control4 brand among our dealers, distributors and end consumers. We believe that our investments in creating brand awareness have contributed to our revenue growth and increasing adoption of our smart home solutions. In June 2015, we were named as the top Whole-Home Automation brand by the "2015 CE Pro 100 Brand Analysis" report, with our solutions recognized as the top brand in in the categories of whole home automation, multi-room audio, HVAC, Energy and Smart Grid Management and Access Control. Also, in June 2015, the ProSource Buying Group named Control4 the 2015 Custom Integration Vendor of the Year. In September 2015, Control4 was named the "2015 Custom Integration Vendor of the Year" by the Home Technology Specialists of America (HTSA) Buying Group. Continuing to enhance our brand is a key factor in our plans for the future.
- **Accelerating and Enhancing Lead Generation.** In 2014, we tested a number of lead generation strategies that yielded good responses from interested homeowners. In the process, we discovered the need for Control4 to play a more active role in lead qualification and delivery to dealers to ensure effective follow through and closure. In the first quarter of 2015, we created a small team of telemarketing and inside sales representatives to qualify inbound inquiries and direct them to qualified independent dealers. These enhanced lead generation strategies are resulting in increased consultations, bids and project installations. Based on this success, in the third quarter of 2015, we rolled out a targeted test advertising campaign to further accelerate lead generation.
- **Optimizing Our North America Dealer Network.** We intend to continue to optimize the performance of and expand our network of dealers in North America to ensure that we have geographic coverage and technical expertise to address our existing markets and new markets into which we plan to expand.
- **Expanding our International Dealer and Distributor Network.** We believe that our future growth will be significantly impacted by our ability to expand our dealer and distributor network outside of North America, to adapt our products and services to foreign markets, and to increase our brand awareness internationally. In particular, we believe that



we will have significant opportunities to expand our business in emerging markets such as China and India. We have added, and expect to continue to add, field sales and service personnel to assist in the optimization of our international channels. For example, in February 2015 we announced a shift in our distribution model in Germany, and we are now working directly with independent home automation integrators and dealers in that region. To support this initiative, we are adding local staff to manage sales, technical support and training activities.

- **Managing Competition.** The market for home automation is fragmented, highly competitive and continually evolving. A number of large technology companies such as Apple, Google, and Amazon offer device control capabilities among some of their own products, applications and services, and are engaged in ongoing development efforts to address the broader home automation market. Our ability to compete in the growing home automation market over the next several years will be a key factor in our ability to continue to grow our business and meet or exceed our future expectations.

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## Key Operating and Financial Metrics

We use the following key operating and financial metrics to evaluate and manage our business.

## North America Direct Dealers

	Three Months Ended September 30, 2014		2015		Nine Months Ended September 30, 2014		2015	
Authorized dealers at the beginning of the period	2,605	2,704	2,544	2,676				
Additions	69	86	238	260				
Terminations	(36)	(47)	(144)	(193)				
Authorized dealers at the end of the period	2,638	2,743	2,638	2,743				
Number of active dealers	2,566	2,703	2,566	2,703				
% of active dealers	97	% 99	% 97	% 99				

## International Direct Dealers

	Three Months Ended September 30, 2014		2015		Nine Months Ended September 30, 2014		2015	
Authorized dealers at the beginning of the period	732	878	635	787				
Additions	40	66	142	183				
Terminations	(12)	(72)	(17)	(98)				
Authorized dealers at the end of the period	760	872	760	872				
Number of active dealers	670	796	670	796				
% of active dealers	88	% 91	% 88	% 91				

	Three Months		Nine Months	
	Ended		Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Number of controllers sold	20,230	21,404	53,970	56,243
Core revenue growth	15	% 13	% 16	% 13
International core revenue as a percentage of total revenue	23	% 24	% 22	% 23

#### Number of North America and Direct International Dealers

Because our dealers promote, sell, install and support our products, a broader dealer network allows us to reach more potential consumers across more geographic regions. We expect our dealer network to continue to grow, both in North America and internationally. While we have historically focused on dealers affiliated with the Custom Electronics Design and Installation Association (“CEDIA”), we believe there is an opportunity to establish relationships with dealers outside of CEDIA, including non-traditional A/V dealers, electrical contractors and security system installers. We define an active, authorized dealer (“active dealer”) as one that has placed an order with us in the trailing 12-month period.

We continue to invest in tools and technologies to help our dealers be more successful and increase the year-over-year sales of our products. Our goal is to continuously increase our dealers’ productivity and capacity to grow. Enabling our dealers to increase productivity will ultimately drive our revenue growth. Late in the third quarter of 2014, we announced the availability of Composer Express, a web-based configuration tool, to empower our dealers to simplify and accelerate the onsite set-up process for Control4 system installations. The positive response from our dealers has been tremendous with the majority of them taking advantage of Composer Express to simplify their installations.

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As part of our normal process for developing a productive, capable dealer network, we regularly review individual dealer performance and as necessary, terminate dealer agreements where volume and technical training requirements are not being met. As a result, there are times, including in the first quarters of both 2014 and 2015, when the number of dealer terminations exceed the number of new dealer additions in North America. We view this as a healthy part of growing our customer install direct dealer channel worldwide.

We continue to add new dealers, expanding both our North America and international direct dealer networks. The number of active international dealers increased 16% and 16% for the nine months ended September 30, 2014 and 2015, respectively, compared to an increase of 4% and 4% respectively, in the number of active North American direct dealers during the same periods. The growth percentage internationally is higher because our presence in these markets is less mature and our base of dealers much lower than the North America market. Much of this growth in our International dealer network can be attributed to new dealer additions in China and India as well as a shift in our distribution model in Germany in February 2015. We previously used a single distributor of our products in Germany, but we now work directly with 48 independent home automation integrators and dealers in that region. We plan to continue to monitor other markets that are currently served by a single distributor and, when we feel that the opportunity is right, to establish direct relationships with selected dealers in these regions, which we expect will further increase our number of direct international dealers.

While we believe that we continue to have significant international opportunities, it is difficult to anticipate the exact timing and amount of growth, particularly in new and emerging markets. Divergent regional and local economic and political trends, particularly relating to new home construction and strengthening of the U.S. dollar versus certain local currencies, are examples of challenges we must address in order to continue our international expansion. Such challenges may cause our growth rate to be slower than anticipated, offsetting our efforts to expand into these emerging geographies.

## Number of Controllers Sold

Our controllers contain our proprietary software and provide consumers with the essential software technology to enable home control, automation and personalization. The number of controllers we sell in a given period provides us with an indication of consumer adoption of our technology. Our sales of controllers also create significant opportunity to sell our other products and services. Once a consumer has deployed our controller, we believe that the consumer is more likely to remain committed to our technology platform and purchase more of our products, applications and services in the future.

During the three and nine months ended September 30, 2015, we sold 21,404 and 56,243 controllers, respectively, compared to 20,230 and 53,970 controllers sold in the same periods in 2014, respectively. Controller sales for the three months ended September 30, 2015 increased 6% compared to the same period in 2014. Notwithstanding a steeper than usual seasonal drop off in first quarter 2015 revenue, controller sales increased 4% during the nine months ended September 30, 2015, compared to the same period in 2014.

## Core Revenue Growth

The majority of our revenue comes from sales of our products through our distribution channels comprised of independent dealers in the United States and Canada, and independent dealers and distributors located throughout the rest of the world. We refer to revenue attributable to sales through dealers located in the United States and Canada as North America Core revenue, and revenue attributable to sales through dealers and distributors located throughout the rest of the world as International Core revenue. Core revenue does not include revenue from sales to hotels. Our revenue from sales to hotels is generally project-based and has been significant in some periods and insignificant in other periods. In the future, we expect revenue from hospitality to continue to be attributable to large projects and will continue to be uneven from period to period. We therefore believe that our Core revenue growth is a good measure of our market penetration and the growth of our business.

## International Revenue as a Percentage of Total Revenue

We believe that the international market represents a large and underpenetrated opportunity for us. We have established or acquired offices in the United Kingdom, China, India and Australia, and we are in the process of

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opening an office in Germany. We have formed relationships with independent international dealers and distributors, and we have expanded foreign language support for our solutions. We track International revenue as a percentage of total revenue as a key measure of our success in expanding our business internationally.

## Results of Operations

## Revenue

The following is a breakdown of our revenue between North America and International Core revenue and other revenue:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
	(in thousands)			
North America Core Revenue	\$ 29,098	\$ 32,510	\$ 81,081	\$ 91,180
International Core Revenue	8,916	10,603	24,125	27,770
Other Revenue	1,106	445	2,430	1,332
Total Revenue	\$ 39,120	\$ 43,558	\$ 107,636	\$ 120,282
				%
North America Core Revenue as a % of Total Revenue	74	% 75	% 75	% 76
				%
International Core Revenue as a % of Total Revenue	23	% 24	% 22	% 23

North America core revenue increased \$3.4 million, or 12%, and \$10.1 million, or 12%, respectively, in the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014. International core revenue increased \$1.7 million, or 19%, and \$3.6 million, or 15%, respectively, in the three and nine months ended September 30, 2015, respectively. Other revenue, which consists primarily of hospitality sales, decreased \$0.7 million, or 60%, and \$1.1 million, or 45%, during the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014.

Adverse macro-economic conditions, including the strengthening of the U.S. dollar relative to the local currency in Canada, contributed to a decline in revenue growth in North America Core Revenue. Revenue in Canada declined 12% in the three months ended September 30, 2015, compared to the same period in 2014. Excluding Canada, North America Core Revenue grew 16% in the three months ended September 30, 2015, compared to the same period in

2014.

We continue to make investments internationally to improve our dealers' ability to sell and install our products and believe that these investments will enable us to grow our key international markets. Notwithstanding, we believe that adverse international macro-economic conditions will continue to slow growth in certain geographies.

Hospitality revenue declined 66% in the three months ended September 30, 2015, compared to the same period in 2014. Hospitality revenue consists primarily of large projects and has been and will continue to be inconsistent from period to period.

### Gross Margin

As a percentage of revenue, our gross margin has been and will continue to be affected by a variety of factors. Our gross margin is relatively consistent across our products. Our gross margin on third-party products we sell through our online distribution platform is higher than our gross margin on our other product sales because we only recognize our net profit on these sales as revenue. While software licensing and subscription revenue is not material for all periods presented, our gross margin is higher on software licensing and subscription revenue than it is on product sales. Our gross margin is also higher on our sales made directly through dealers than it is on our sales made through distributors. Gross margin may be negatively affected by price competition in our target markets and associated promotional or volume incentive rebates offered to our independent dealers and distributors.

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In addition, in conjunction with our acquisition of Nexus Technologies Pty Ltd. (“Nexus”), we were required to record Nexus inventory at its fair value, as determined under ASC 805, Business Combinations, resulting in a step-up in the inventory value. Such step-up is recorded through cost of goods sold when the inventory is sold, resulting in a negative impact to our gross margin. Also, cost of goods sold includes ongoing, periodic amortization of the acquired technology.

Gross margin for the three and nine months ended September 30, 2014 and 2015 was as follows (in thousands, except percentages):

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Gross margin	\$ 20,273	\$ 21,810	\$ 55,476	\$ 59,750
Percentage of revenue	52 %	50 %	52 %	50 %

As a percentage of revenue, our gross margin decreased from 52% and 52% respectively, in the three and nine months ended September 30, 2014, to 50% and 50%, respectively, during the same period in 2015. The decrease in gross margin was due primarily to amortization of the technology acquired from Nexus as well as the step-up in basis of purchased inventory, decreases in the selling price of our products in certain foreign markets associated with strengthening of the U.S. Dollar relative to certain international currencies, enhancements to our volume incentive rebate program resulting in higher volume incentive rebates provided to our dealers, and higher freight charges associated with expedited shipments to our fulfillment centers, offset by component cost reductions.

The negative effect on gross margin percentage resulting from the step-up in purchased inventory carrying value is limited to the first and second quarters of 2015, while the amortization of the acquired technology is expected to occur over 5 years. Our sales in Europe are generally priced in Pounds Sterling or the Euro while our cost of goods sold is denominated in U.S. dollars. The changing value of the Pounds Sterling and the Euro relative to the U.S. Dollar will continue to contribute to variability in our gross margin for sales in Europe.

The impact of manufacturing overhead as a percentage of revenue on our gross margin percentage varies depending on total revenue and overhead spending in a given period.

## Research and Development Expenses



Research and development expenses consist primarily of compensation for our engineers and product managers. Research and development expenses also include prototyping and field-testing expenses incurred in the development of our products. We also include fees paid to agencies to obtain regulatory certifications.

Research and development expenses for the three and nine months ended September 30, 2014 and 2015 were as follows (in thousands, except percentages):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Research and development	\$ 6,647	\$ 8,191	\$ 20,519	\$ 24,308
Percentage of revenue	17 %	19 %	19 %	20 %

Research and development expenses increased \$1.5 million, or 23%, and \$3.8 million, or 18%, respectively, in the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014. These increases were primarily due to an increase in headcount and related expenses, including non-cash stock based compensation expense, to support our ongoing and expanded product development activities. In addition, manufacturing prototype expenses and compliance and regulatory fees associated with our new product development and introductions contributed to the year over year increase.

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We expect our research and development expenses to increase in absolute dollars for the foreseeable future as we continue to invest in the development of new solutions; however, we expect those expenses to fluctuate as a percentage of our revenue in future periods based on fluctuations in our revenue and the timing of those expenses.

## Sales and Marketing Expenses

Sales and marketing expenses consist primarily of compensation and related travel expenses for our sales and marketing personnel. Sales and marketing expenses also include expenses associated with trade shows, marketing events, advertising and other marketing-related programs.

Sales and marketing expenses for the three and nine months ended September 30, 2014 and 2015 were as follows (in thousands, except percentages):

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2014	2015	2014	2015
Sales and marketing	\$ 6,876	\$ 8,489	\$ 19,541	\$ 23,668
Percentage of revenue	18 %	19 %	18 %	20 %

Sales and marketing expenses increased \$1.6 million, or 23%, and \$4.1 million, or 21%, respectively, in the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014. The period-over-period increases in absolute dollars for sales and marketing expenses was primarily due to sales headcount increases and the related expenses. In addition, we increased our marketing expenses to grow our dealer and distributor networks throughout the world and deliver tools to the sales channel to support local marketing and sales lead generation.

During the three and nine months ended September 30, 2015, we incurred approximately \$0.9 million and \$1.1 million, respectively, in expenses associated with our online media campaign in the United States. This increase in marketing expense was offset by a reduction in tradeshow expenses during the three months ended September 30, 2015 compared to the same period in 2014 as a result of our primary industry tradeshow occurring in October instead of September as in the prior year.

We intend to continue to supplement our more traditional marketing programs with similar online media campaigns in the fourth quarter. In addition, we expect our sales and marketing expenses to increase in absolute dollars for the foreseeable future as we continue to invest in marketing, including our consumer marketing, to increase awareness of our products and brand.

#### General and Administrative Expenses

General and administrative expenses consist primarily of compensation for our employees in our executive administration, finance, information systems, human resource and legal departments. Also included in general and administrative expenses are outside legal fees, audit fees, facilities expenses and insurance costs.

General and administrative expenses for the three and nine months ended September 30, 2014 and 2015 were as follows (in thousands, except percentages):

	Three Months Ended		September 30,		Nine Months Ended		September 30,	
	2014	2015	2014	2015	2014	2015	2014	2015
General and administrative	\$ 3,530	\$ 4,220	\$ 10,658	\$ 13,129				
Percentage of revenue	9 %	10 %	10 %	11 %				

General and administrative expenses increased \$0.7 million, or 20%, and \$2.5 million, or 23%, respectively, in the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014. The increase in absolute dollars is due to \$0.6 million in acquisition-related expenses incurred during the first

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quarter of 2015 associated with the acquisition of Nexus as well as higher non-cash stock-based compensation expense and facilities related costs.

We expect our general and administrative expenses to increase in absolute dollars primarily as a result of growth of the business. However, we also expect our general and administrative expenses to fluctuate as a percentage of our revenue in future periods based on fluctuations in our revenue and the timing of those expenses.

## Other Income (Expense)

Other income (expense) consists primarily of foreign currency transaction gains (losses) and net interest income (expense). Other income (expense) for the three and nine months ended September 30, 2014 and 2015 was as follows (in thousands, except percentages):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Other income (expense)	\$ (197)	\$ (33)	\$ (125)	\$ (310)
Percentage of revenue	(1) %	0 %	0 %	0 %

Other expense decreased \$0.2 million and increased \$0.2 million, respectively, in the three and nine months ended September 30, 2015, respectively, compared to the same periods in 2014. Other expense incurred during the first quarter of 2015 is primarily related to foreign currency losses sustained on our U.S. dollar obligations that are being carried in local currency by our foreign subsidiaries. This is due to the U.S. dollar strengthening against the Pound Sterling, Euro, and Australian Dollar during the quarter, causing those U.S. dollar obligations, primarily intercompany payable to the U.S. entity, to increase in local currency resulting in increased expense.

During the second and third quarters, we entered into forward contracts to help offset the exposure to movements in foreign currency exchange rates in relation to certain U.S. dollar denominated balance sheet accounts of our subsidiaries in the United Kingdom and Australia. We settle our foreign exchange contracts on the last day of every month and enter into a new forward contract effective on the first day of the next month. Changes in the fair value (i.e. gains or losses) of these derivative instruments are recorded as other income (expense), net.

## Income Tax Expense (Benefit)

Income tax expense (benefit) for the three and nine months ended September 30, 2014 and 2015 was as follows (in thousands, except percentages):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
Income tax expense (benefit)	\$ 250	\$ (314)	\$ 353	\$ (666)
Percentage of income (loss) before taxes	8 %	36 %	8 %	40 %

We recognized an income tax benefit of \$0.3 million and \$0.7 million, or approximately 36% and 40% of income (loss) before taxes, for the three and nine months ended September 30, 2015, respectively. While we have accumulated net operating loss carryforwards in the United States, the expense is driven primarily by those jurisdictions that have generated an income or loss, respectively, through the same periods for which net operating loss carryforwards are not available. We anticipate generating income through the remainder of 2015, which we anticipate will offset cumulative losses incurred during the nine months ended September 30, 2015. Our effective tax rate is increasing and we believe that our tax expense as a percentage of income before taxes will be in a range between 20-30%. The increase in the estimated tax rate relative to prior periods is due to a change in our forecasted pre-tax results, an updated allocation of income among various tax jurisdictions, and book to tax adjustments for stock-based compensation related to incentive stock options. Cash payments for taxes of \$0.4 million for the nine months ended September 30, 2015, are primarily related to income taxes paid in the U.K., half of which are non-recurring.

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Significant judgment is required in determining our provision for income taxes and evaluating our uncertain tax positions. In evaluating our ability to recover our deferred tax assets, in full or in part, we consider all available positive and negative evidence, including our past operating results, our forecast of future market growth, forecasted earnings, future taxable income and prudent and feasible tax planning strategies. Due to historical net losses incurred and the uncertainty of realizing the deferred tax assets, for all the periods presented, we have a full valuation allowance against our domestic deferred tax assets. To the extent that we generate positive domestic income and expect, with reasonable certainty, to continue to generate positive income, we may release all or a portion of our valuation allowance in a future period. This release would result in the recognition of certain deferred tax assets and a decrease to income tax expense for the period such release is made.

## Liquidity and Capital Resources

## Primary Sources of Liquidity

Our future capital requirements will depend on many factors, including our rate of revenue growth, potential acquisitions of businesses, technologies or other assets, the expansion of our sales and marketing activities, continued investment in research and development, expansion into new territories, the timing of new product introductions, and the continued market acceptance of our products.

The following table shows selected financial information and statistics as of December 31, 2014 and September 30, 2015 (in thousands):

	December 31, 2014	September 30, 2015
Cash and cash equivalents	\$ 29,187	\$ 18,737
Investments, net(1)	68,032	65,639
Accounts receivable, net	20,155	22,292
Inventories	14,212	18,057
Working capital	97,939	82,415

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(1) We account for purchases and sales of investments on a trade-date basis. This is a non-GAAP measure representing the fair market value of our available-for-sale investments on a settlement date basis because from time to time, the investment trade date and the investment settlement date will cross a reporting period. We believe presentation of our investments on a settlement date basis is relevant to readers of our financial statements.

Please refer to the Non-GAAP Measures section for a reconciliation of investments to investments, net.

As of September 30, 2015, we had \$84.4 million in unrestricted cash and cash equivalents and net marketable securities, a decrease of \$12.8 million from December 31, 2014. We had positive cash flow from our business operations totaling \$2.8 million during the nine months ended September 30, 2015. The overall decrease in cash and cash equivalents and net marketable securities was impacted by the following:

- We purchased Nexus Technologies Pty Ltd for \$8.5 million in cash, net of cash acquired of \$0.1 million, resulting in net cash paid of \$8.4 million. In addition, we incurred approximately \$0.6 million in acquisition-related expenses.
- In May 2015, our Board of Directors authorized the repurchase of up to \$20 million in Control4 common stock from time to time on the open market. As of September 30, 2015, the Company had repurchased 557,661 shares for \$4.9 million.

We typically invest in highly-rated securities, and our investment policy generally limits the amount of credit exposure to any one issuer. The policy requires investments generally to be investment grade, with the primary objective of minimizing the potential risk of principal loss. The maturities of our long-term investments range from one to two years, with the average maturity of our investment portfolio less than one year. Cash equivalents and marketable securities are comprised of money market and other funds, highly liquid debt

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instruments of the U.S. government and its agencies, debt instruments issued by municipalities in the U.S., corporate securities, and asset-backed securities.

We closely monitor accounts receivable and inventory because of their significant impact on cash and working capital. Our accounts receivable balance at September 30, 2015 has increased by \$2.1 million, or 11% since December 31, 2014. This increase is in line with revenue growth and we have not seen any deterioration in our long-term collection trends. Furthermore, inventory has increased by \$3.8 million from December 31, 2014 to September 30, 2015, of which \$2.3 million is raw materials and work in process at our Australian subsidiary which we acquired in January 2015. The remaining increase of \$1.5 million is in line with actual and forecasted revenue growth.

We have historically maintained an asset-based, revolving credit facility of \$13.0 million and for all periods presented we have not borrowed against the facility. At our election, we chose to not renew the revolving credit facility in May 2015 on its maturity date.

The SVB Agreement contains various restrictive and financial covenants and we were in compliance with each of these covenants as of September 30, 2015.

We believe that our existing cash and cash equivalents will be sufficient to fund our operations for at least the next 12 months. From time to time, we may explore additional financing sources to develop or enhance our product solutions, to fund expansion of our business, to respond to competitive pressures, or to acquire or invest in complementary products, businesses or technologies. We cannot give assurance that any additional financing will be available to us on acceptable terms, if at all. If we raise additional funds through the issuance of equity or convertible debt or other equity-linked securities, our existing stockholders could suffer significant dilution, and any new equity securities we issue could have rights, preferences and privileges senior to those of holders of our common stock.

Cash Flow Analysis

A summary of our cash flows for the nine months ended September 30, 2014 and 2015 is set forth below (in thousands):

	Nine Months Ended September 30,	
	2014	2015
Cash and cash equivalents at the beginning of the period	\$ 84,546	\$ 29,187



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Net cash provided by operating activities	4,376	2,957
Net cash used in investing activities	(75,264)	(8,839)
Net cash provided by (used in) financing activities	3,801	(4,537)
Effect of exchange rate changes on cash and cash equivalents	(9)	(31)
Net change in cash and cash equivalents	(67,096)	(10,450)
Cash and cash equivalents at the end of the period	\$ 17,450	\$ 18,737

Operating Activities

Cash used in operating activities is net income adjusted for certain non-cash items and changes in certain assets and liabilities.

The decrease in cash flows from operating activities of \$1.4 million during the nine months ended September 30, 2015 compared to the same period in 2014 is due primarily to the net loss, as adjusted for certain non-cash operating expenses, for the period and changes in working capital which included increases in inventory associated with the increase in sales.

Investing Activities

Cash used in investing activities primarily consist of purchases, maturities, and sales of marketable securities, business acquisitions, net of cash acquired, and purchases of property and equipment.

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Cash used in investing activities decreased from 2014 to 2015, primarily attributable to fewer purchases of marketable securities, associated with the initial investment of our IPO proceeds in early 2014. This decrease was partially offset by the total consideration transferred for Nexus of \$8.5 million in cash, net of cash acquired of \$0.1 million, resulting in net cash paid of \$8.4 million.

Financing Activities

Financing cash flows consist primarily of the repurchase of Control4 stock in the open market, borrowing against and repayment of long term debt and proceeds from the exercise of options to acquire common stock.

During the nine months ended September 30, 2015, we repurchased 557,661 shares of our stock in the open market for \$4.9 million. There were no similar purchases in 2014.

During the nine months ended September 30, 2014 and 2015, we received proceeds of \$4.6 million and \$1.1 million, respectively, from the exercise of options to purchase common stock.

Net repayments on our term loan agreements were \$0.8 million and \$0.7 million during the nine months ended September 30, 2014 and 2015, respectively.

Non-GAAP Financial Measures

In addition to our GAAP operating results, we use certain non-GAAP financial measures to understand and evaluate our operating performance and trends, to prepare and approve our annual budget, and to develop short- and long-term operational plans. These measures, which we refer to as our non-GAAP financial measures, are not prepared in accordance with generally accepted accounting principles in the United States. Non-GAAP gross margin, non-GAAP income from operations, and non-GAAP net income exclude non-cash expenses related to stock-based compensation, amortization of intangible assets, acquisition-related costs, as well as expenses related to litigation settlements.

Management believes that it is useful to exclude stock-based compensation expense because the amount of such expense in any specific period may not directly correlate to the underlying performance of our business operations.

We have recently completed acquisitions which resulted in operating expenses that would not have otherwise been incurred. Management has provided supplementary non-GAAP financial measures, which exclude acquisition-related expense items resulting from acquisitions, to allow more accurate comparisons of the financial results to historical operations, forward-looking guidance and the financial results of less acquisitive peer companies. Management considers these types of costs and adjustments, to a great extent, to be unpredictable and dependent on a significant number of factors that are outside of our control. Furthermore, we do not consider these acquisition-related costs and adjustments to be related to the organic continuing operations of the acquired businesses and are generally not relevant to assessing or estimating the long-term performance of the acquired assets. In addition, the size, complexity and/or volume of past acquisitions, which often drives the magnitude of acquisition-related costs, may not be indicative of the size, complexity and/or volume of future acquisitions. By excluding acquisition-related costs and adjustments from our non-GAAP measures, management is better able to evaluate our ability to utilize its existing assets and estimate the long-term value that acquired assets will generate for us. We believe that providing a supplemental non-GAAP measure which excludes these items allows management and investors to consider the ongoing operations of the business both with, and without, such expenses.

These acquisition-related costs are included in the following categories: (i) professional service fees, recorded in operating expenses, which include third party costs related to the acquisition, and legal and other professional service fees associated with diligence, entity formation and corporate structuring, disputes and regulatory matters related to acquired entities, (ii) transition and integration costs, recorded in operating expenses, which include retention payments, transitional employee costs, earn-out payments treated as compensation expense, as well as the costs of intangible assets and (iii) acquisition-related adjustments which include adjustments to acquisition-related items such as being required to record Nexus inventory at its fair

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value, resulting in a step-up in the inventory value. The step-up is recorded through cost of goods sold when the inventory is sold, resulting in a negative impact to our gross margin. Although these expenses are not recurring with respect to past acquisitions, we will generally incur these expenses in connection with any future acquisitions.

We exclude the amortization of acquired intangible assets from non-GAAP measures. These amounts are inconsistent in amount and frequency and are significantly impacted by the timing and size of acquisitions. Providing a supplemental measure that excludes these charges allows management and investors to evaluate results “as-if” the acquired intangible assets had been developed internally rather than acquired. Although we exclude amortization of acquired intangible assets from non-GAAP measures, we believe that it is important for investors to understand that such intangible assets contribute to revenue generation. Amortization of intangible assets that relate to past acquisitions will recur in future periods until such intangible assets have been fully amortized. Future acquisitions may result in the amortization of additional intangible assets.

Furthermore, we believe it is useful to exclude expenses related to litigation settlements because of the variable and unpredictable nature of these expenses which are not indicative of past or future operating performance. We believe that past and future periods are more comparable if we exclude those expenses.

Management provides a non-GAAP measure representing the fair market value of our available-for-sale investments. We account for purchases and sales of investments on a trade-date basis. This is a non-GAAP measure representing the fair market value of our available-for-sale investments on a settlement date basis because from time to time, the investment trade date and the investment settlement date will cross a reporting period. We believe presentation of our investments on a settlement date basis is relevant to readers of our financial statements.

We believe these adjustments provide useful comparative information to investors. Non-GAAP results are presented for supplemental informational purposes only for understanding our operating results. The non-GAAP results should not be considered a substitute for financial information presented in accordance with generally accepted accounting principles, and may be different from non-GAAP measures used by other companies. Our non-GAAP financial measures may not provide information that is directly comparable to that provided by other companies in our industry, as other companies in our industry may calculate non-GAAP financial results differently, particularly related to non-recurring, unusual items. We urge our investors to review the reconciliation of our non-GAAP financial measures to the comparable GAAP financial measures included below, and not to rely on any single financial measure to evaluate our business.

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	Three Months Ended September 30,		Nine Months Ended September 30,	
	2014	2015	2014	2015
	(in thousands, except percentages and per share data)			
<b>Reconciliation of Gross Margin to Non-GAAP Gross Margin:</b>				
Gross margin	\$ 20,273	\$ 21,810	\$ 55,476	\$ 59,750
Stock-based compensation expense in cost of revenue	29	40	77	126
Amortization of intangible assets in cost of revenue	134	365	330	1,049
Acquisition-related costs in cost of revenue	—	—	—	294
Non-GAAP gross margin	\$ 20,436	\$ 22,215	\$ 55,883	\$ 61,219
Revenue	\$ 39,120	\$ 43,558	\$ 107,636	\$ 120,282
Gross margin percentage	51.8 %	50.1 %	51.5 %	49.7 %
Non-GAAP gross margin percentage	52.2 %	51.0 %	51.9 %	50.9 %
<b>Reconciliation of Income (Loss) from Operations to Non-GAAP Income from Operations:</b>				
Income (loss) from operations	\$ 3,210	\$ 910	\$ 4,713	\$ (1,355)
Stock-based compensation expense	1,339	1,808	3,994	5,336
Amortization of intangible assets	134	385	330	1,113
Acquisition-related costs	—	201	—	1,172
Litigation settlements	10	—	45	—
Non-GAAP income from operations	\$ 4,693	\$ 3,304	\$ 9,082	\$ 6,266
Revenue	\$ 39,120	\$ 43,558	\$ 107,636	\$ 120,282
Operating margin percentage	8.2 %	2.1 %	4.4 %	(1.1) %
Non-GAAP operating margin percentage	12.0 %	7.6 %	8.4 %	5.2 %
<b>Reconciliation of Net Income (Loss) to Non-GAAP Net Income:</b>				
Net income (loss)	\$ 2,763	\$ 1,191	\$ 4,235	\$ (999)
Stock-based compensation expense	1,339	1,808	3,994	5,336
Amortization of intangible assets	134	385	330	1,113
Acquisition-related costs	—	201	—	1,172
Litigation settlements	10	—	45	—
Non-GAAP net income	\$ 4,246	\$ 3,585	\$ 8,604	\$ 6,622
Non-GAAP net income per common share:				
Basic	\$ 0.18	\$ 0.15	\$ 0.37	\$ 0.27
Diluted	\$ 0.17	\$ 0.14	\$ 0.34	\$ 0.26
Weighted-average number of shares:				
Basic	23,840	24,129	23,559	24,260
Diluted	25,590	24,856	25,671	25,268
<b>Reconciliation of Investments to Investments, net:</b>				
Short-term investments	\$ 48,730	\$ 43,977	\$ 48,730	\$ 43,977
Long-term investments	23,225	21,662	23,225	21,662
Investments payable	—	—	—	—
Investments, net	\$ 71,955	\$ 65,639	\$ 71,955	\$ 65,639

#### Off-Balance Sheet Arrangements

During the periods presented, we did not engage in any off-balance sheet activities. We do not have any off-balance interest in variable interest entities, which include special purpose entities and other structured finance entities.

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## Contractual Obligations

We enter into long-term contractual obligations in the normal course of business, primarily debt obligations and non-cancellable operating leases.

Our contractual cash obligations at September 30, 2015 are as follows:

	Total	Less than 1 year	1 - 3 years	3 - 5 years
	(in thousands)			
Long-term debt obligations, including interest(1)	\$ 1,325	\$ 932	\$ 393	\$ —
Operating lease obligations	5,691	2,164	3,488	39
Purchase commitments	32,072	32,072	—	—
Total contractual obligations	\$ 39,088	\$ 35,168	\$ 3,881	\$ 39

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(1) Interest was calculated on outstanding borrowings at the date indicated in the table above and assumes the rate remains constant during the following years. The credit facility has a variable rate of interest of prime or LIBOR plus 2.50%, as selected by us. The variable rate was 3.25% at September 30, 2015. Term borrowings are payable in equal monthly payments of principal plus interest and bear interest at prime plus 0.50%, which was 3.75% at September 30, 2015.

## Critical Accounting Policies and Estimates

Our unaudited condensed consolidated financial statements are prepared in accordance with U.S. generally accepted accounting principles, or GAAP. The preparation of these condensed consolidated financial statements requires us to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, expenses, and related disclosures. These estimates and assumptions are often based on judgments that we believe to be reasonable under the circumstances at the time made, but all such estimates and assumptions are inherently uncertain and unpredictable. Actual results may differ from those estimates and assumptions, and it is possible that other professionals, applying their own judgment to the same facts and circumstances, could develop and support alternative estimates and assumptions that would result in material changes to our operating results and financial condition. We evaluate our estimates and assumptions on an ongoing basis. Our estimates are based on historical experience and various other assumptions that we believe to be reasonable under the circumstances. Our actual results could differ from these estimates.

Our critical accounting policies and estimates are detailed in Management's Discussion and Analysis of Financial Condition and Results of Operations contained in the Annual Report on Form 10-K as filed with the SEC on February 20, 2015. None of our critical accounting policies and estimates have changed significantly since that filing.

#### Recently Issued and Adopted Accounting Pronouncements

For information with respect to recent accounting pronouncements and the impact of these pronouncements on our condensed consolidated financial statements, see Note 1 "Description of Business and Summary of Significant Accounting Policies — Recent Accounting Pronouncements" in the notes to condensed consolidated financial statements (unaudited).

#### ITEM 3. Quantitative and Qualitative Disclosures about Market Risk

Our market risk disclosures are detailed in Quantitative and Qualitative Disclosures about Market Risk contained in the Annual Report on Form 10-K as filed with the SEC on February 20, 2015. Other than our interest rate risk described below, our market risk has not changed significantly since that filing.



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### Interest Rate Risk

Changes in U.S. interest rates could affect the interest earned on our cash, cash equivalents and investments as well as the fair value of our investments. Our investment policy and strategy are focused on preservation of capital and supporting our liquidity requirements. A portion of our cash is managed by external managers within the guidelines of our investment policy.

Our exposure to changes in interest rates relates primarily to our investment portfolio. We typically invest in highly-rated securities, and our investment policy generally limits the amount of credit exposure to any one issuer. The policy requires investments generally to be investment grade, with the primary objective of minimizing the potential risk of principal loss.

We performed a sensitivity analysis on the value of our investment portfolio assuming a hypothetical change in rates of 100 basis points. Based on investment positions as of September 30, 2015, a hypothetical 100 basis point increase in interest rates across all maturities would result in a \$0.4 million incremental decline in the fair market value of the portfolio. Such losses would only be realized if we sold the investments prior to maturity.

### ITEM 4. Controls and Procedures

#### Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the “Exchange Act”)), as of the end of the period covered by this Form 10-Q. Based on such evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that as of such date, our disclosure controls and procedures were effective.

#### Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting during our most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations of Internal Controls

Our management, including our Chief Executive Officer and Chief Financial Officer, does not expect that our disclosure controls and procedures or our internal controls will prevent all error and all fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within the Company have been detected. These inherent limitations include the realities that judgments in decision-making can be faulty, and that breakdowns can occur because of a simple error or mistake. Additionally, controls can be circumvented by the individual acts of some persons, by collusion of two or more people, or by management override of the control. The design of any system of controls also is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Over time, controls may become inadequate because of changes in conditions, or the degree of compliance with the policies or procedures may deteriorate. Because of the inherent limitations in a cost-effective control system, misstatements due to error or fraud may occur and not be detected.

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PART II — OTHER INFORMATION

ITEM 1. Legal Proceedings

From time to time, we may become involved in legal proceedings arising in the ordinary course of our business. We are not presently a party to any legal proceedings, other than specifically identified below, that, if determined adversely to us, we believe would individually or in the aggregate have a material adverse effect on our business, results of operations, financial condition or cash flows. Currently, a range of loss associated with any individual material legal proceeding cannot be reasonably estimated.

On April 15, 2015, Intuitive Building Controls, Inc. (“IBC”), a corporation organized under the laws of Texas, filed a Complaint against us in the Eastern District of Texas, and we filed our Answer on June 10, 2015. During April 2015, IBC filed similar complaints against many other companies. IBC’s Complaint asserts that the Company’s lighting control systems, specifically including its controllers and in-wall touch screens, infringe three United States patents that IBC owns by assignment: U.S. Patent Nos. 6,118,230 (the “230 patent”), 6,160,359 (the “359 patent”) and 5,945,993 (the “993 patent”). The Complaint seeks injunctive relief and monetary damages. Based on our preliminary investigation of the patents at issue, we do not believe our products infringe any valid or enforceable claim of these patents. Accordingly, we are vigorously defending the lawsuit.

On April 28, 2015, the Company received a letter from Certified Measurement, LLC (“Certified Measurement”), alleging that some of our products infringe three patents owned by assignment by Certified Measurement because they acquire physical measurements (such as motion, temperature, lighting, etc.), time-stamp the measurement data, and then perform cryptographic operations. Certified Measurement is a wholly-owned subsidiary of Patent Properties, Inc. (“Patent Properties”). We are conducting an investigation of the claims made by Certified Measurement regarding its three patents. Certified Measurement has not initiated litigation against us, but we believe that Certified Measurement may do so. We intend to defend ourselves vigorously with respect to this and any other related claims or litigation. Since no complaint has been filed and the outcome of any potential legal proceedings related to these claims is uncertain at this time, we cannot estimate the amount of liability, if any, which could result from an adverse resolution of this matter.

ITEM 1A. Risk Factors

A description of certain risks and uncertainties associated with our business is set forth below. You should carefully consider such risks and uncertainties, together with the other information contained in this report, and in our other public filings. Factors that could cause our business, financial condition or operating results to differ materially from the plans, projections and other forward-looking statements included in the section titled “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and elsewhere in this report and in our other public

filings include, but are not limited to, the following risks and uncertainties, which could cause our business, financial condition or operating results to be harmed substantially and the market price of our stock to decline, perhaps significantly.

#### Risks Related to Our Business and Industry

We have incurred operating losses in the past, may incur operating losses in the future, and may not achieve or maintain profitability.

We began our operations in 2003. For most of our history, we have experienced net losses and negative cash flows from operations. As of September 30, 2015, we had an accumulated deficit of \$94.9 million. We expect our operating expenses to increase in the future as we expand our operations. Furthermore, as a public company, we incur additional legal, accounting and other expenses that we did not incur as a private company. If our revenue does not grow to offset these increased expenses, we will not remain profitable. We may incur significant losses in the future for a number of reasons, including without limitation the other risks and uncertainties described herein. Additionally, we may encounter unforeseen operating or legal expenses, difficulties, complications, delays and other unknown factors that may result in losses in future periods. If these losses exceed our expectations or our revenue growth expectations are not met in future periods, our financial performance will be harmed.

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The markets in which we participate are highly competitive and many companies, including large technology companies, retailers, broadband and security service providers, and other managed service providers, are actively targeting the home automation market. Our failure to differentiate ourselves and compete successfully with these companies would make it difficult for us to add and retain consumers, and our sales and profitability could be adversely affected.

The market for home automation is fragmented, highly competitive and continually evolving. A number of technology companies, including industry leaders such as Apple, Google, and Amazon, offer device control capabilities among some of their own products, applications and services and are engaged in ongoing development efforts to address the broader home automation market. These large technology companies already have broad consumer awareness and sell a variety of devices for the home, and consumers may choose their offerings instead of ours, even if we offer superior products and services. Similarly, many managed service providers, such as cable TV, telephone and security companies, are offering services that provide device control and automation capability within the home for an additional monthly service fee. For example, Comcast's Xfinity service offers residential security, energy and automation services. These managed service providers have the advantage of leveraging their existing consumer base, network of installation and support technicians and name recognition to gain traction in the home automation market. In addition, consumers may prefer the monthly service fee with little to no upfront cost offered by some of these managed service providers over a larger upfront cost with little to no monthly service fees.

We expect competition from these large technology companies, retailers and managed service providers to increase in the future. This increased competition could result in pricing pressure, reduced sales, lower margins or the failure of our solutions to achieve or maintain broad market acceptance. To remain competitive and to maintain our position as a leading provider of automation and control solutions for the connected home, we will need to invest continuously in product development, marketing, dealer and distributor service and support, and product delivery infrastructure. We may not have sufficient resources to continue to make the investments in all of the areas needed to maintain our competitive position. In addition, most of our competitors have longer operating histories, greater name recognition, larger consumer bases and significantly greater financial, technical, sales, marketing and other resources than us, which may provide them with an advantage in developing, marketing or servicing new solutions. Increased competition could reduce our market share, revenue and operating margins, increase our operating costs, harm our competitive position or otherwise harm our business and results of operations.

Consumers may choose to adopt point products that provide control of discrete home functionality rather than adopting our unified home automation solution. If we are unable to increase market acceptance of the benefits of our unified solution, our revenue may not continue to grow, or it may decline.

Many vendors have emerged, and may continue to emerge, to provide point products with advanced functionality for use in the home, such as a thermostat that can be controlled by an application on a smartphone. We expect more and more consumer electronic and consumer appliance products to be network-aware and connected—each very likely to have its own smart device (phone or tablet) application. Consumers may be attracted to the relatively low costs of these point products and the ability to expand their home control solution over time with minimal upfront costs, despite the disadvantages of this approach. While we have built our solution to be flexible and support third-party

point products, the adoption of these products may reduce the revenue we receive for each installation. It is therefore important that we provide attractive top quality products in many areas, such as lighting, audio, video, thermostats and security, and establish broad market awareness and acceptance of these solutions as well as the advantages of integrating them in a unified solution. If a significant number of consumers in our target market choose to rely solely on the functionality included in point products rather than acquiring our unified automation solution, then our business, financial condition and results of operations will be harmed, and we may not be able to achieve sustained growth or our business may decline.

Many of the competitors in our market, including providers of luxury integrated installations with long operating histories, established markets, broad user bases and proven consumer acceptance, may be successful in expanding in the mainstream home automation market, which may harm our growth and future prospects.

Many companies with which we directly compete have been operating in this industry for many years and, as a result, have established significant name recognition in the home automation industry. For example, Crestron, a provider of luxury integrated installations, has been in business for over 40 years and has become an established

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presence in the home automation industry. Another provider of luxury integrated installations is Savant Systems. To the extent these providers are able to develop more affordable or attractive products or otherwise compete with our solution across all of our target demographics, our growth may be constrained and our business could suffer. In addition, given the strong growth potential of the market, we expect there to be many new entrants in the future.

Since we rely on third-party dealers and distributors to sell and install our solutions, we do not have a direct sales pipeline, which makes it difficult for us to accurately forecast future sales and correctly predict manufacturing requirements.

We depend on our independent dealer and distributor network to sell and install our solution. As a result, we do not directly develop or control our sales pipeline, making it difficult for us to accurately predict future sales. In addition, because the production of certain of our products requires long lead times, we enter into agreements for the manufacture and purchase of certain of our products well in advance of the time in which those products will be sold. These contracts are based on our best estimates of our near-term product needs. If we underestimate consumer demand, we may forego revenue opportunities, lose market share and damage our relationships. Conversely, if we overestimate consumer demand, we may purchase more inventory than we are able to sell at any given time, or at all. If we fail to accurately estimate demand for our products, we could have excess or obsolete inventory, resulting in a decline in the value of our inventory, which would increase our costs of revenues and reduce our liquidity. Our failure to accurately manage inventory relative to demand would adversely affect our results of operations.

We have relatively limited visibility regarding the consumers that ultimately purchase our products, and we often rely on information from third-party dealers and distributors to help us manage our business. If these dealers and distributors fail to provide timely or accurate information, our ability to quickly react to market changes and effectively manage our business may be harmed.

We sell our solutions through independent dealers and distributors. These dealers and distributors work with consumers to design, install, update and maintain their home automation installations. While we are able to track orders from dealers and distributors and have access to certain information about the configurations of the Control4 systems they install which we receive through our controller appliances, we also rely on these dealers and distributors to provide us with information about consumer behavior, product and system feedback, consumer demographics, buying patterns and information on our competitors. We use this channel sell-through data, along with other metrics, to assess consumer demand for our solutions, develop new products, adjust pricing and make other strategic business decisions. Channel sell-through data is subject to limitations due to collection methods and the third-party nature of the data and thus may not be complete or accurate. In addition, to the extent we collect information directly from consumers, for example through surveys that we conduct, the consumers who chose to supply this sell-through data self-select and vary by geographic region and from period to period, which may impact the usefulness of the results. If we do not receive consumer information on a timely or accurate basis, or if we do not properly interpret this information, our ability to quickly react to market changes and effectively manage our business may be harmed.

Our quarterly results of operations have fluctuated and may continue to fluctuate. As a result, we may fail to meet or exceed the expectations of investors or securities analysts, which could cause our stock price to decline.

Our quarterly revenue and results of operations have fluctuated and may continue to fluctuate as a result of a variety of factors, many of which are outside of our control. In the past when our quarterly revenue or results of operations have fallen below the consensus expectations of securities analysts, the price of our common stock has declined, and if our quarterly revenue or results of operations fall below the consensus expectations of investors or securities analysts in the future, the price of our common stock could decline substantially. Fluctuations in our results of operations may be due to a number of factors, including but not limited to:

- Demand for and market acceptance of our solutions;
- Our ability to continue to develop and maintain relationships with productive independent dealers and distributors and incentivize these independent dealers and distributors to continue to market, sell, install and support our solutions;



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- The ability of our contract manufacturers to continue to manufacture high-quality products, and to supply sufficient products to meet our demands;
- The timing and success of introductions of new products, solutions or upgrades, including any resulting supply chain issues, by us or by our competitors;
- The strength of regional, national and global economies;
- The impact of harsh seasonal weather, natural disasters or manmade problems such as terrorism;
- Changes in our business and pricing policies, or those of our competitors;
- Competition, including entry into the industry by new competitors and new offerings by existing competitors;
- The impact of seasonality on our business;
- A systemic impairment or failure of one or more of our products that erodes dealer and/or end user confidence;
- Political or regulatory changes in the markets in which we operate;

The cost and availability of component parts used in our products;

- Aggressive business tactics by our competitors, including: selling at a discount, offering products on a bundled basis at no charge, extensive marketing efforts, and providing financing incentives;
- The amount and timing of expenditures, including those related to expanding our operations, increasing research and development, introducing new solutions or costs related to disputes and litigation; and
- Changes in the payment terms for our solutions.

Due to the foregoing factors and the other risks discussed herein, you should not rely on quarter-to-quarter comparisons of our results of operations as an indication of our future performance, nor should you consider any revenue growth or results of operations in any quarter to be indicative of our future performance.

If we are unable to develop new solutions, sell our solutions into new markets or further penetrate our existing markets, our revenue may not grow as expected.

Our ability to increase sales will depend in large part on our ability to enhance and improve our solutions, to introduce new solutions in a timely manner, to sell into new markets and to further penetrate our existing markets. The success of any enhancement or new product or solution depends on several factors, including the timely completion, introduction and market acceptance of enhanced or new solutions, the ability to attract, retain and effectively train product development, and sales and marketing personnel (among others), the ability to develop relationships with independent dealers and distributors and the effectiveness of our marketing programs. Any new product or solution we develop or acquire may not be introduced in a timely or cost-effective manner, and may not achieve the broad market acceptance necessary to generate significant revenue. Any new markets into which we attempt to sell our solutions, including new vertical markets and new countries or regions, may not be receptive. Our ability to further penetrate our existing markets depends on the quality of our solutions and our ability to design our solutions to meet consumer demand. Moreover, we are frequently required to enhance and update our solutions as a result of changing standards and technological developments, which makes it difficult to recover the cost of development and forces us to continually qualify new solutions with our consumers. If we are unable to successfully develop or acquire new solutions, enhance our existing solutions to meet consumer requirements, sell solutions into new markets or sell our solutions to additional consumers in our existing markets, our revenue may not grow as expected or it may decline.

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Our success depends, in part, on our ability to develop and expand our global network of independent dealers and distributors.

As of September 30, 2015, we have developed a global network of over 3,400 active direct dealers and 28 distributors to sell, install and support our solutions. We rely on our independent dealers and distributors to provide consumers with a successful Control4 home automation experience. In some cases, dealers may choose not to offer our solution and instead offer a product from one of our competitors or, in other cases, the dealer may simply discontinue its operations. In order to continue our growth and expand our business, it is important that we continue to add new dealers and distributors and ensure that most of our existing relationships remain productive. We must also work to expand our network of dealers and distributors to ensure that we have sufficient geographic coverage and technical expertise to address new markets and technologies. While it is difficult to estimate the total number of available dealers in our markets, there are a finite number of dealers that are able to perform the types of technical installations required for home automation systems. In the event that we saturate the available dealer pool, or if market or other forces cause the available pool of dealers to decline, it may be increasingly difficult to grow our business. As consumers' home automation options grow, it is important that we enhance our dealer footprint by broadening the expertise of our dealers, working with larger and more sophisticated dealers and distributors and expanding our line of mainstream consumer products that our dealers and distributors offer. If we are unable to expand our network of independent dealers and distributors, our business could be harmed.

We rely on our independent dealers and distributors to sell our solution, and if our dealers and distributors fail to perform, our ability to sell and distribute our products and services will be limited, and our results of operations may be harmed.

Substantially all of our revenue is generated through the sales of our solution by our authorized dealers and distributors. Our dealers and distributors are independent businesses that voluntarily sell our products as well as the products of other companies to consumers. We provide our dealers and distributors with specific training programs to assist them in selling, installing and servicing our products, but we cannot assure that these steps will be effective. We have observed, and expect to continue to observe, high volatility in the monthly, quarterly and annual sales performance of individual dealers and distributors. Although we can make estimated forecasts of cumulative sales of large numbers of dealers and distributors, we cannot assure their accuracy collectively or individually. Accordingly, we may not be able to reduce or slow our spending quickly enough if our actual sales fall short of our expectations. As a result, we expect that our revenues, results of operations and cash flows may fluctuate significantly on a quarterly basis. We believe that period-to-period comparisons of our revenues, results of operations and cash flows may not be meaningful and should not be relied upon as an indication of future performance.

Our independent dealers and distributors may be unsuccessful in marketing, selling, installing and supporting our products and services. If we are unable to develop and maintain effective sales incentive programs for our dealers and distributors, we may not be able to incentivize them to sell our products to consumers. Our dealers and distributors may also market, sell and support products and services that are competitive with ours, and may devote more

resources to the marketing, sales, and support of such competitive products. Our dealers and distributors may have incentives to promote our competitors' products to the detriment of our own, or may cease selling our products altogether. Our agreements with our dealers and distributors may generally be terminated for any reason by either party with advance notice. We cannot assure that we will retain these dealers and distributors, or that we will be able to secure additional or replacement dealers and distributors. For example, in February 2015, we announced that we were transitioning from a single distributor to a direct to dealer sales model in Germany. While we believe that this will ultimately have a positive impact on sales and profitability in this region, it may also create disruption in the established channel and our sales may be impacted in connection with this or any similar change in our sales process in the future.

In addition, while we take certain steps to protect ourselves from liability for the actions of our dealers and distributors, such as including contractual provisions limiting our liability with both consumers and dealer/distributors, consumers may still seek to recover amounts from us for any damages caused by independent dealers in connection with system installations, or the failure of a system to perform properly due to an incorrect installation by a dealer, and, in the event of litigation with respect to these matters, we cannot guarantee that our contractual protections will be enforced. Furthermore, dealers and distributors may initiate claims against us related

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to any failure or perceived failure to operate our business in accordance with our contracts and the law. In addition, our independent dealers and distributors may use our name and our brand in ways we do not authorize, and any such improper use may harm our reputation or expose us to liability for their actions.

If we fail to effectively manage our existing sales channels, if our dealers or distributors are unsuccessful in fulfilling the orders for our products, or if we are unable to enter into arrangements with, and retain a sufficient number of, high quality dealers and/or distributors in each of the regions in which we sell products, and keep them motivated to sell our products, then our results of operations may be harmed. The termination of our relationship with any significant dealer or distributor may also adversely impact our sales and results of operations.

We have entered into several strategic arrangements and intend to pursue additional strategic opportunities in the future. If the intended benefits from our strategic relationships are not realized, our results of operations may be harmed.

We are in the process of growing our relationships with strategic partners in order to increase awareness of our solution and to attempt to reach markets that we cannot currently address cost-effectively. If these relationships do not develop in the manner we intend, our future growth could be impacted. Any loss of a major partner or distribution channel or other channel disruption could harm our results of operations and make us more dependent on alternate channels, damage our reputation, increase pricing and promotional pressures from other partners and distribution channels, increase our marketing costs, or harm buying and inventory patterns, payment terms or other contractual terms.

If we do not maintain the compatibility of our solutions with third-party products and applications that our consumers use, demand for our solutions could decline.

Our solutions are designed to interoperate with a wide range of other third-party products, including products in the areas of music, video, lighting, temperature and security and we benefit from our relationships with partners which allow our system to provide integrated and extensible control of over 9,100 third party devices and services. If we do not support the continued integration of our solutions with third-party products and applications, including through the provision of application programming interfaces, proxies and drivers that enable data to be transferred readily between our solutions and third-party products and applications, demand for our solutions could decline and we could lose sales. We will also be required to make our solutions compatible with new or additional third-party products and applications that are introduced into the markets that we serve. In addition, in the past, companies that provide certain point solutions have temporarily eliminated or restricted, and may, in the future, eliminate or restrict, our ability to integrate with, control and otherwise be compatible with these products. As a result, we may not be successful in making our solutions compatible with these third-party products and applications, which could reduce demand for our solutions. In addition, if prospective consumers require customized features or functions that we do not offer, then the market for our solutions may be harmed.

Our inability to adapt to technological change and implement technological and aesthetic enhancements to our products could impair our ability to remain competitive.

The market for home automation and control solutions is characterized by rapid technological change, frequent introductions of new products and evolving industry standards. Our ability to attract new consumers and increase revenue from existing consumers will depend in significant part on our ability to anticipate changes in industry standards and to continue to enhance or introduce existing solutions on a timely basis to keep pace with technological developments. This is true of all of our products, but is particularly important with respect to our user interface and other products that our consumers interface with directly. Any delay or failure in the introduction of new or enhanced solutions could harm our business, results of operations and financial condition.

Similarly, if any of our competitors implement new technologies before we are able to implement them, those competitors may be able to provide more effective products than ours, possibly at lower prices, which could impact sales and decrease our market share.

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We currently rely on contract manufacturers to manufacture our products and on component vendors to supply parts used in our products. The majority of our components are supplied by a single source. Any disruption in our supply chain, or our failure to successfully manage our relationships with our contract manufacturers or component vendors could harm our business.

Our reliance on contract manufacturers reduces our control over the assembly process, exposing us to risks, including reduced control over quality assurance, production costs and product supply. We rely on a limited number of contract manufacturers to manufacture substantially all of our products. We also do business with a number of component vendors, and the parts they supply may not perform as expected. For certain of our products and components, we rely on a sole-source manufacturer or supplier.

For the nine months ended September 30, 2015, two contract manufacturers, Sanmina and LiteOn, manufactured approximately 53% of our inventory purchases. Most of our contract manufacturers and component vendors are located outside of the United States, and all of them may be subject to political, economic, social and legal uncertainties that may harm our relationships with them. If we fail to manage our relationships with our contract manufacturers, component vendors or shipping partners effectively, or if our contract manufacturers, component vendors or shipping partners experience delays, disruptions, capacity constraints or quality control problems in their operations, our ability to ship products may be impaired and our competitive position and reputation could be harmed. In addition, any adverse change in our contract manufacturers', component vendors' or shipping partners' financial or business condition could disrupt our ability to supply quality products to our dealers and distributors. If we are required to change contract manufacturers, component vendors, or shipping partners we may lose revenue, incur increased costs or damage our relationships, or we might be unable to find a new contract manufacturer or component vendor on acceptable terms, or at all. In addition, qualifying a new contract manufacturer or component vendor could be an expensive and lengthy process. If we experience increased demand that our contract manufacturers or component vendors are unable to fulfill, or if they are unable to provide us with adequate supplies of high-quality products for any reason, we could experience a delay in our order fulfillment, and our business, results of operations and financial condition would be harmed.

Growth of our business will depend on market awareness and a strong brand, and any failure to develop, maintain, protect and enhance our brand would hurt our ability to retain or attract consumers.

Because of the early stage of development of the mainstream home automation market, we believe that building and maintaining market awareness, brand recognition and goodwill is critical to our success. This will depend largely on our ability to continue to provide high-quality solutions, and we may not be able to do so effectively. While we may choose to engage in a broader marketing campaigns to further promote our brand, this effort may not be successful. Our efforts in developing our brand may be affected by the marketing efforts of our competitors, negative publicity and social media commentary and our reliance on our independent dealers, distributors and strategic partners to promote our brand effectively. If we are unable to cost-effectively maintain and increase positive awareness of our brand, our business, results of operations and financial condition could be harmed.

We operate in the emerging and evolving home automation market, which may develop more slowly or differently than we expect. If the mainstream home automation market does not grow as we expect, or if we cannot expand our solutions to meet the demands of this market, our revenue may decline, fail to grow or fail to grow at an accelerated rate, and we may incur additional operating losses.

The market for home automation and control solutions is developing, and it is uncertain whether, how rapidly or how consistently this market will develop, and even if it does develop, whether our solutions will achieve and sustain high levels of demand and market acceptance. Some consumers may be reluctant or unwilling to use our solutions for a number of reasons, including satisfaction with traditional solutions, concerns for additional costs and lack of awareness of our solutions. Unified home automation solutions such as ours have traditionally been luxury purchases for the high end of the residential market. Our ability to expand the sales of our solutions to a broader consumer base depends on several factors, including market awareness of our solutions, the timely completion, introduction and market acceptance of our solutions, the ability to attract, retain and effectively train sales and marketing personnel, the ability to develop relationships with independent dealers and distributors, the effectiveness of our marketing programs, the costs of our solutions and the success of our competitors. If we are unsuccessful in



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developing and marketing our home automation solutions to mainstream consumers, or if these consumers do not perceive or value the benefits of our solutions, the market for our solutions might not continue to develop or might develop more slowly than we expect, either of which would harm our revenue and growth prospects.

Our consumers may experience service failures or interruptions due to defects in the software, infrastructure, third-party components or processes that comprise our existing or new solutions, or due to errors in product installation or servicing by our independent dealers, any of which could harm our business.

Our solutions may contain undetected defects in the software, infrastructure, third-party components or processes. If these defects lead to service failures after introduction of or an upgrade to a product or solution by an independent dealer, we could be subject to liability for such failures and we could experience harm to our branded reputation and our business could suffer. We may find defects in new or upgraded solutions, resulting in loss of, or delay in, market acceptance of our solutions, which could harm our business, results of operations and financial condition. For example, in 2012 we incurred significant costs associated with the recall and replacement of a defective chip from a third-party component used within one of our products.

In addition to failures due to product defects, because our solutions are installed by independent dealers, if they do not install or maintain our solutions correctly or if the underlying network, or if the underlying infrastructure in a home or business is not sufficiently robust, our solutions may not function properly. If the improper installation or maintenance of our solutions leads to service failures of a product or solution, we could experience harm to our branded reputation, claims by our consumers, dealers, distributors, strategic partners or developers or lost revenue during the period required to address the cause of the problem. This could harm our business, results of operations and financial condition.

Any defect in, or disruption to, our solutions could cause consumers to remove their products, not to purchase additional products from us, prevent potential consumers from purchasing our solutions, or harm our reputation. The nature of the solutions we provide, including our interface with home security solutions, may expose us to greater risks of liability for system failure or even installation errors by our independent dealers than may be inherent in other businesses. Substantially all of our dealer agreements contain provisions limiting our liability to dealers and our consumers in an attempt to reduce this risk. However, in the event of litigation with respect to these matters, we cannot assure you that these limitations will be enforced, and defending a lawsuit, regardless of its merit, could be costly, divert management's attention and affect our ability to obtain or maintain liability insurance on acceptable terms and could harm our business. In addition, there can be no assurance that we are adequately insured for these risks. Certain of our insurance policies and the laws of some states may limit or prohibit insurance coverage for punitive or certain other types of damages or liability arising from gross negligence. Although we currently maintain some warranty reserves, we cannot assure you that these warranty reserves will be sufficient to cover future liabilities. Furthermore, we may be required to indemnify our dealers, distributors and partners against certain liabilities they may incur as a result of defects of our products.

We encounter seasonality in sales, which could harm the amount, timing and predictability of our revenue and cause our stock price to fluctuate.

We have little recurring revenue or backlog, and our revenue is generated from orders of our solutions from new and existing consumers, which may cause our quarterly results to fluctuate. We may experience seasonality in the sales of our solutions. Historically, our revenue is generally highest in the fourth quarter and lowest in the first quarter. Seasonal variations in our sales may lead to significant fluctuations in our cash flows and results of operations on a quarterly basis.

We may not generate significant revenue as a result of our current research and development efforts.

We have made and expect to continue to make significant investments in research and development and related product opportunities. For the nine months ended September 30, 2015, we spent \$24.3 million on research and development expenses. High levels of expenditures for research and development could harm our results of operations, especially if not offset by corresponding future revenue increases. We believe that we must continue to dedicate a significant amount of resources to our research and development efforts to maintain our competitive

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position. However, it is difficult to estimate when, if ever, we will generate significant revenue as a result of these investments.

Our strategy includes pursuing acquisitions and our potential inability to successfully integrate newly-acquired technologies, assets or businesses may harm our financial results.

We believe part of our growth will be driven by acquisitions of other companies or their technologies, assets and businesses. Any acquisitions we complete will give rise to risks, including:

- Incurring higher than anticipated capital expenditures and operating expenses;
- Failing to assimilate the operations and personnel, or failing to retain the key personnel of the acquired company or business;
- Failing to integrate the acquired technologies, or incurring significant expense to integrate acquired technologies into our solutions;
- Disrupting our ongoing business;
- Dissipating or diverting our management resources;
- Failing to maintain uniform standards, controls and policies;
- Incurring significant accounting charges;
- Impairing relationships with employees, dealers, distributors, partners or consumers;
- Finding that the acquired technology, asset or business does not further our business strategy, that we overpaid for the technology, asset or business, or that we may be required to write off acquired assets or investments partially or entirely;
- Failing to realize the expected synergies of the transaction;

- Being exposed to unforeseen liabilities and contingencies that were not identified during diligence conducted prior to acquiring the company, including but not limited to the risk that the products or services of the acquired company violate third-party intellectual property rights; and
- Being unable to generate sufficient revenue from acquisitions to offset the associated acquisition costs.

Fully integrating an acquired technology, asset or business into our operations may take a significant amount of time. We may not be successful in overcoming these risks or any other problems encountered with acquisitions. To the extent we do not successfully avoid or overcome the risks or problems related to any such acquisitions, our results of operations and financial condition could be harmed. Acquisitions also could impact our financial position and capital needs, or could cause fluctuations in our quarterly and annual results of operations.

Acquisitions could include significant goodwill and intangible assets, which may result in future impairment charges that would reduce our stated earnings. We may incur significant costs in our efforts to engage in strategic transactions and these expenditures may not result in successful acquisitions.

Future acquisitions of technologies, assets or businesses, which are paid for partially or entirely through the issuance of stock or stock rights, could dilute the ownership of our existing stockholders.

We expect that the consideration we might pay for any future acquisitions of technologies, assets or businesses could include stock, rights to purchase stock, cash or some combination of the foregoing. If we issue

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stock or rights to purchase stock in connection with future acquisitions, net income (loss) per share and then-existing holders of our common stock may experience dilution.

We may pursue business opportunities that diverge from our current business model, which may cause our business to suffer.

We may pursue business opportunities that diverge from our current business model, including expanding our solutions and investing in new and unproven technologies. We can offer no assurance that any such new business opportunities will prove to be successful. Among other negative effects, our pursuit of such business opportunities could reduce operating margins and require more working capital, materially and adversely affect our business, financial condition, results of operations and cash flows.

Our gross margins can vary significantly depending on multiple factors, which can result in fluctuations in our results of operations.

Our gross margins are likely to vary due to consumer demand, product mix, new product introductions, unit volumes, commodity and supply chain costs, product delivery costs, geographic sales mix, excess and obsolete inventory and the complexity and functionality of new product innovations. In particular, if we are not able to introduce new solutions in a timely manner at the cost we expect, or if consumer demand for our solutions is less than we anticipate, or if there are product pricing, marketing and other initiatives by our competitors to which we need to react that lower our margins, then our overall gross margin will be less than we project. The impact of these factors on gross margins can create unanticipated fluctuations in our results of operations, which may cause volatility in our stock price.

If we are unable to substantially utilize our net operating loss carryforwards, our financial results will be harmed.

As of December 31, 2014, our net operating loss NOL carryforward amounts for U.S. federal income and state tax purposes were \$85.6 million and \$86.1 million, respectively. In addition to the NOL carryforwards, as of December 31, 2014, we had U.S. federal and state research and development credit carryforwards of \$3.8 million and \$2.8 million, respectively. While we are currently profitable in the U.S. for book purposes, we have had periods of substantial losses in the past and have generated substantial deductions associated with excess tax benefits; there is no assurance that we will continue to remain profitable in the U.S. or that we will be able to generate sufficient taxable income to utilize our NOLs before they expire.

If we are unable to manage our growth and diverse and complex operations, our reputation in the market and our ability to generate revenue from new or existing consumers may be harmed.

Because our operations are geographically diverse and complex, our personnel resources and infrastructure could become strained and our reputation in the market and our ability to successfully implement our business plan may be harmed. The growth in the size, complexity and diverse nature of our business and the expansion of our product lines and consumer base have placed increased demands on our management and operations, and further growth, if any, may place additional strains on our resources in the future, and we expect to continue to expand our headcount and operations. Our ability to effectively compete and to manage our planned future growth may depend on, among other things:

- Maintaining institutional knowledge retaining and expanding the core competencies critical to our operations in our senior management and key personnel;
- Increasing the productivity of our existing employees;
- Attracting, training, motivating and retaining our employees, particularly our technical and management personnel;
- Maintaining existing productive relationships and developing new productive relationships with independent contract manufacturers, dealers and distributors;

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- Improving our operational, financial and management controls; and
- Improving our information reporting systems and procedures.

If we do not manage the size, complexity and diverse nature of our business effectively, we could experience delayed product releases and longer response times by our dealers in assisting our consumers in implementing our solutions, and could lack adequate resources to support our consumers on an ongoing basis, any of which could harm our reputation in the market, our ability to successfully implement our business plan and our ability to generate revenue from new or existing consumers.

If we fail to retain our key employees, our business would be harmed and we might not be able to implement our business plan successfully.

Given the complex nature of the technology on which our business is based and the speed with which such technology advances, our future success is dependent, in large part, upon our ability to attract and retain highly qualified executive, managerial, engineering, and sales and marketing personnel. Competition for talented personnel is intense, and we cannot be certain that we can retain our executive, managerial, engineering, and sales and marketing personnel or that we can attract, assimilate or retain such personnel in the future. Our inability to attract and retain such personnel could harm our business, results of operations and financial condition.

Downturns in general economic and market conditions, including but not limited to downturns in the housing market and reductions in consumer spending, may reduce demand for our solutions, which could harm our revenue, results of operations, financial condition and cash flows.

Our revenue, results of operations and cash flows depend on the overall demand for our solutions, which can be significantly reduced in economic environments characterized by market and interest rate volatility, decreased consumer confidence, high unemployment, declines in residential remodeling and housing starts, fluctuating exchange rates, and diminished growth expectations in the U.S. economy and abroad. During periods of weak or unstable economic and market conditions, providers of products and services that represent discretionary purchases are disproportionately affected. In addition, during these periods, the number of independent dealers and distributors may decline as the prospects for home building and home renovation projects diminish, which may have a corresponding impact on our growth prospects. Furthermore, during challenging economic times consumers may face issues in gaining timely access to sufficient credit, which could impair their ability to make timely payments. There is also an increased risk during these periods that an increased percentage of our dealers will file for bankruptcy protection, which may harm our reputation, revenue, profitability and results of operations. We cannot predict the timing, strength or duration of any economic slowdown, instability or recovery, generally or within any particular geography or industry. Any downturns in the general economic conditions of the geographies and industries in which we operate, or

any other factors negatively impacting the housing market or consumer spending, could materially and adversely impact our revenue, results of operations, financial condition and cash flows.

If our estimates or judgments relating to our critical accounting policies are based on assumptions that change or prove to be incorrect, our results of operations could fall below expectations of securities analysts and investors, resulting in a decline in our stock price.

The preparation of financial statements in conformity with generally accepted accounting principles (“GAAP”) requires management to make estimates and assumptions that affect the amounts reported in our consolidated financial statements and accompanying notes. We base our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, as provided in “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” the results of which form the basis for making judgments about the carrying values of assets, liabilities and equity, and the amount of revenue and expenses that are not readily apparent from other sources. Significant assumptions and estimates used in preparing our consolidated financial statements include, or may in the future include, those related to revenue recognition, allowance for doubtful accounts, inventories, product warranties, income taxes and stock-based compensation expense. Our results of operations may be harmed if our assumptions change or if actual circumstances differ from those in our assumptions, which could cause our results of operations to fall below the expectations of securities analysts and investors, resulting in a decline in our stock price.



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Changes in existing financial accounting standards or practices, or taxation rules or practices, may harm our results of operations.

Changes in existing accounting or taxation rules or practices, new accounting pronouncements or taxation rules, or varying interpretations of current accounting pronouncements or taxation practice could harm our results of operations or the manner in which we conduct our business.

Mergers or other strategic transactions involving our competitors could weaken our competitive position, which could harm our results of operations.

Our industry is highly fragmented, and we believe it is likely that some of our existing competitors will consolidate or be acquired. In addition, some of our competitors may enter into new alliances with each other or may establish or strengthen cooperative relationships with systems integrators, third-party consulting firms or other parties. For example, beginning in 2014, Google Inc. acquired Nest Labs, a manufacturer of thermostats and smoke detectors; Nest Labs acquired Dropcam, a home-monitoring camera company; Apple Inc. introduced HomeKit, a framework for communicating with and controlling connected devices in a user's home; and Samsung Electronics Co., Ltd. acquired home automation startup, SmartThings. These transactions and product introductions, as well as any additional consolidations, acquisitions, alliances or cooperative relationships in our industry, could lead to pricing pressure, reduce our market share or result in a competitor with greater financial, technical, marketing, service and other resources than ours, all of which could harm our business, results of operations and financial condition.

We are an "emerging growth company," and any decision on our part to comply with certain reduced disclosure requirements applicable to emerging growth companies could make our common stock less attractive to investors.

We are an "emerging growth company," as defined in the Jumpstart Our Business Startups Act of 2012 (the "JOBS Act"), and we may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies that are not "emerging growth companies," including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act, reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements, and exemptions from the requirements of holding an annual non-binding advisory vote on executive compensation and nonbinding stockholder approval of any golden parachute payments not previously approved. If we choose not to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act, our auditors will not be required to opine on the effectiveness of our internal control over financial reporting. As a result, investors may become less comfortable with the effectiveness of our internal controls and the risk that material weaknesses or other deficiencies in our internal controls go undetected may increase. If we choose to provide reduced disclosures in our periodic reports and proxy statements while we are an emerging growth company, investors would have access to less information and analysis about our executive compensation, which may make it difficult for investors to evaluate our executive compensation practices. We cannot

predict if investors will find our common stock less attractive because we may rely on these exemptions and provide reduced disclosure. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be harmed. We will remain an “emerging growth company” for up to five years following our initial public offering or such earlier time that we are no longer an emerging growth company. We will remain an emerging growth company until the earliest to occur of: the last day of the fiscal year in which we have more than \$1.0 billion in annual revenue; the date we qualify as a “large accelerated filer,” with at least \$700 million of equity securities held by non-affiliates determined as of the last business day of the previous second fiscal quarter; the issuance, in any three-year period, by us of more than \$1.0 billion in non-convertible debt securities; or the last day of the fiscal year ending after the fifth anniversary of our initial public offering.

In addition, Section 107 of the JOBS Act provides that an emerging growth company can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act of 1933, as amended (the “Securities Act”), for complying with new or revised accounting standards. In other words, an emerging growth company can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. However, we have chosen to “opt out” of such extended transition period, and as a result, we will comply with new or revised accounting standards on the relevant dates on which adoption of such standards is

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required for non-emerging growth companies. Section 107 of the JOBS Act provides that our decision to opt out of the extended transition period for complying with new or revised accounting standards is irrevocable.

Failure to achieve and maintain effective internal control over financial reporting could result in our failure to accurately report our financial results. Any inability to report and file our financial results accurately and timely could harm our business and adversely impact investor confidence in our company and, as a result, the value of our common stock.

Effective internal controls are necessary for us to produce reliable financial reports and are important to helping prevent financial fraud. If we cannot provide reliable financial reports or prevent fraud, our business and results of operations could be harmed, investors could lose confidence in our reported financial information, and the trading price of our stock could drop significantly. We are required to perform system and process evaluation and testing of our internal control over financial reporting to allow management to report on the effectiveness of our internal control over financial reporting, as required by Section 404 of the Sarbanes-Oxley Act, or Section 404. This assessment includes disclosure of any material weaknesses identified by our management in our internal control over financial reporting. However, our auditors will not be required to formally opine on the effectiveness of our internal control over financial reporting pursuant to Section 404 until we are no longer an “emerging growth company” as defined in the JOBS Act, and we continue to take advantage of the exemptions available to us through the JOBS Act.

Our compliance with Section 404 may require us to continue to incur substantial expense and expend significant management efforts. We may not be able to remediate any future material weaknesses, or to complete our evaluation, testing and any required remediation in a timely fashion. During the evaluation and testing process, if we identify one or more material weaknesses in our internal control over financial reporting, we will be unable to assert that our internal controls are effective. If we are unable to assert that our internal control over financial reporting is effective, or if our auditors are unable to express an opinion on the effectiveness of our internal controls when they are required to issue such opinion, investors could lose confidence in the accuracy and completeness of our financial reports, which could harm our stock price.

Our failure to raise additional capital or generate cash flows necessary to expand our operations, invest in new technologies and otherwise respond to business opportunities or unforeseen circumstances in the future could reduce our ability to compete successfully and harm our results of operations.

We believe that our existing cash and cash equivalents will be sufficient to meet our anticipated cash requirements for at least the next 12 months. We may need to raise additional funds, and we may not be able to obtain additional debt or equity financing on favorable terms, if at all. If we raise additional equity financing, our security holders may experience significant dilution of their ownership interests and the value of shares of our common stock could decline. If we engage in debt financing, we may be required to accept terms that restrict our ability to incur additional indebtedness, force us to maintain specified liquidity or other ratios or restrict our ability to pay dividends or make acquisitions. If we need additional capital and cannot raise it on acceptable terms, if at all, we may not be able to,

among other things:

- Develop and enhance our solutions;
- Continue to expand our research and development, sales and marketing organizations;
- Hire, train and retain employees;
  - Respond to competitive pressures or unanticipated working capital requirements; or
- Pursue acquisition opportunities.

Our inability to do any of the foregoing could reduce our ability to compete successfully and harm our results of operations.

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We may be subject to additional tax liabilities, which would harm our results of operations.

We are subject to income, sales, use, value added and other taxes in the United States and other countries in which we conduct business, which laws and rates vary greatly by jurisdiction. Certain jurisdictions in which we do not collect sales, use, value added or other taxes on our sales may assert that such taxes are applicable, which could result in tax assessments, penalties and interest, and we may be required to collect such taxes in the future. Significant judgment is required in determining our worldwide provision for income taxes and evaluating our uncertain tax positions. These determinations are highly complex and require detailed analysis of the available information and applicable statutes and regulatory materials. In the ordinary course of our business, there are many transactions and calculations where the ultimate tax determination is uncertain. Although we believe our tax estimates are reasonable, the final determination of tax audits and any related litigation could be different from our historical tax practices, provisions and accruals. If we receive an adverse ruling as a result of an audit, or we unilaterally determine that we have misinterpreted provisions of the tax regulations to which we are subject, our tax provision, results of operations or cash flows could be harmed. In addition, liabilities associated with taxes are often subject to an extended or indefinite statute of limitations period. Therefore, we may be subject to additional tax liability (including penalties and interest) for any particular year for extended periods of time.

Our business is subject to the risks of earthquakes, fire, power outages, floods and other catastrophic events, and to interruption by man-made problems such as terrorism.

A significant natural disaster, such as an earthquake, fire or a flood, or a significant power outage could harm our business, results of operations and financial condition. Natural disasters could affect our manufacturing vendors or logistics providers' ability to perform services such as manufacturing products or assisting with shipments on a timely basis. Sanmina and LiteOn, two of our contract manufacturers that manufactured 53% of our inventory purchases for the nine months ended September 30, 2015, have manufacturing facilities located in China. In the event our manufacturing vendors' information technology systems or manufacturing or logistics abilities are hindered by any of the events discussed above, shipments could be delayed, resulting in missing financial targets, such as revenue and shipment targets, for a particular quarter. Further, if a natural disaster occurs in a region from which we derive a significant portion of our revenue, such as metropolitan areas in North America, consumers in that region may delay or forego purchases of our solutions from dealers and distributors in the region, which may harm our results of operations for a particular period. In addition, acts of terrorism and cyber terrorism could cause disruptions in our business or the business of our manufacturers, logistics providers, dealers, distributors, consumers or the economy as a whole. Given our typical concentration of sales at the end of each month and quarter, any disruption in the business of our manufacturers, logistics providers, dealers, distributors and consumers that impacts sales at the end of our quarter could have a greater impact on our quarterly results. All of the aforementioned risks may be augmented if the disaster recovery plans for us and our suppliers prove to be inadequate. To the extent that any of the above results in delays or cancellations of orders, or delays in the manufacture, deployment or shipment of our products, our business, financial condition and results of operations would be harmed.

Global or regional economic, political and social conditions could harm our business and results of operations.

External factors such as potential terrorist attacks, acts of war, financial crises, trade friction or geopolitical and social turmoil in those parts of the world that serve as markets for our solutions, such as Europe, Asia or elsewhere, could harm our business and results of operations. These uncertainties may cause our consumers to reduce discretionary spending on their home and make it difficult for us to accurately plan future business activities. More generally, these geopolitical, social and economic conditions could result in increased volatility in worldwide financial markets and economies that could harm our sales. We are not insured for losses or interruptions caused by terrorist acts or acts of war. The occurrence of any of these events or circumstances could harm our business and results of operations.

Failure to comply with laws and regulations could harm our business.

Our business is subject to regulation by various federal, state, local and foreign governmental agencies, including agencies responsible for monitoring and enforcing employment and labor laws, workplace safety, product safety, environmental laws, consumer protection laws, anti-bribery laws, import/export controls, federal securities laws and tax laws and regulations. As we continue to market and sell products in new jurisdictions, we may become

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subject to additional rules and regulations, and these regulatory requirements may be different or more stringent than those in the United States and Europe. Specifically, we are aware that we are required to obtain additional product safety and compliance certifications on all of our products sold in some jurisdictions in which we have recently begun selling products, which are similar to safety certifications we've already obtained in other jurisdictions. While we have obtained these certifications for many of our products currently sold in these new jurisdictions, we continue to work towards full compliance for all of our products sold. Delays in meeting, or failure to meet, these certification standards may cause us to miss market opportunities and may hinder us from entering and selling our products in those markets. Noncompliance with applicable regulations or requirements could subject us to investigations, sanctions, enjoinders of future shipments, mandatory product recalls, seizures, enforcement actions, disgorgement of profits, fines, damages, civil and criminal penalties or injunctions. If any governmental sanctions are imposed, or if we do not prevail in any possible civil or criminal litigation, our business, results of operations and financial condition could be materially harmed. In addition, responding to any action will likely result in a significant diversion of management's attention and resources and an increase in professional fees. Enforcement actions and sanctions could further harm our business, results of operations and financial condition.

In addition, we have in the past relied on adherence to the U.S. Department of Commerce's Safe Harbor Privacy Principles and compliance with the U.S.-EU and U.S.-Swiss Safe Harbor Frameworks as agreed to and set forth by the U.S. Department of Commerce, and the European Union and Switzerland, which established a means for legitimating the transfer of personally identifiable information ("PII"), by U.S. companies doing business in Europe from the European Economic Area to the U.S. As a result of the October 6, 2015 European Union Court of Justice ("ECJ"), opinion in Case C-362/14 (Schrems v. Data Protection Commissioner) that the U.S.-EU Safe Harbor Framework, the U.S. – EU Safe Harbor Framework is no longer deemed to be an adequate method of compliance with restrictions set forth in the Data Protection Directive (and member states' implementations thereof) regarding the transfer of data outside of the European Economic Area. In light of the ECJ opinion in Case C-362/14, we anticipate engaging in additional efforts to legitimize certain data transfers from the European Economic Area. We may be unsuccessful in establishing legitimate means of transferring certain data from the European Economic Area, and we are at risk of enforcement actions taken by an EU data protection authority until such point in time that we ensure that all data transfers to us from the European Economic Area are legitimized. We may find it necessary to establish systems to maintain EU-origin data in the European Economic Area, which may involve substantial expense and distraction from other aspects of our business. We publicly post our privacy policies and practices concerning our processing, use and disclosure of PII. Our publication of our privacy policy and other statements we publish that provide promises and assurances about privacy and security can subject us to potential state, federal or other regulatory action if they are found to be deceptive or misrepresentative of our practices.

Governmental regulations affecting the import or export of products could harm our revenues

The U.S. and various foreign governments have imposed controls, export license requirements and restrictions on the import or export of some technologies, especially encryption technology, and may impose additional or broader controls, export license requirements and restrictions on the import or export of some technologies in the future. In addition, from time to time, governmental agencies have proposed additional regulation of encryption technology, such as requiring the escrow and governmental recovery of private encryption keys. Although we do not believe that any of our products currently require an export license, if our products or components of our products become subject to governmental regulation of encryption technology or other governmental regulation of imports or exports, we may

be required to obtain import or export approval for such products, which could increase our costs and harm our international and domestic sales and our revenue. In addition, failure to comply with such regulations could result in penalties, costs and restrictions on export privileges, which would harm our results of operations.

We incur increased costs and demands upon management as a result of complying with the laws and regulations affecting public companies, which could harm our results of operations and our ability to attract and retain qualified executives and board members.

As a public company, we have and will continue to incur significant legal, accounting and other expenses that we did not incur as a private company, including costs associated with public company reporting and corporate governance requirements. These requirements include compliance with Section 404 and other provisions of the Sarbanes-Oxley Act of 2002, the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank



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Act”), as well as rules implemented by the Securities and Exchange Commission (“SEC”), The NASDAQ Stock Market LLC, and other applicable securities or exchange-related rules and regulations. In addition, our management team has also had to adapt to the requirements of being a public company. Complying with these rules and regulations substantially increases our legal and financial compliance costs and makes some activities more difficult, time consuming or costly. These compliance requirements and costs will only increase once we are no longer an “emerging growth company,” as defined in the JOBS Act.

## Risks Related to Our International Operations

In recent years, a significant amount of our revenue has come from sales outside of the United States, and we are therefore subject to a number of risks associated with international sales and operations.

We have a limited history of marketing, selling, installing and supporting our products and services internationally. However, international revenue (excluding Canada) accounted for 24% of our total revenue for the nine months ended September 30, 2015, and we expect that percentage to grow in the future. As a result, we must hire and train experienced personnel to staff and manage our foreign operations. To the extent that we experience difficulties in recruiting, training, managing, and retaining international dealers, distributors, and international staff, and specifically staff related to sales management and sales personnel, we may experience difficulties in productivity in foreign markets.

If we are not able to increase the sales of our solutions to consumers located outside of North America, our results of operations or revenue growth may be harmed. In addition, in connection with our expansion into foreign markets, we are a receiver of currencies other than the U.S. dollar. Accordingly, changes in exchange rates, and in particular a strengthening of the U.S. dollar, will negatively affect our net sales as expressed in U.S. dollars. There is also a risk that we will have to adjust local currency product pricing due to competitive pressures when there has been significant volatility in foreign currency exchange rates.

Conducting and launching operations on an international scale requires close coordination of activities across multiple jurisdictions and time zones and consumes significant management resources. Our limited experience in operating our business outside of the United States increases the risk that our current and any future international expansion efforts will not be successful. Conducting international operations subjects us to risks that, generally, we do not face in the United States, including:

- Fluctuations in currency exchange rates;
- Unexpected changes in foreign regulatory requirements;

- Longer accounts receivable payment cycles and difficulties in collecting accounts receivable;
- Difficulties in managing and staffing international operations, including differences in labor laws, which may result in higher personnel-related liabilities and expenses;
- Potentially adverse tax consequences, including the complexities of foreign value added tax systems and restrictions on the repatriation of earnings;
- Localization of our solutions and other materials, including translation into foreign languages and associated expenses;
- Localization of applicable agreements under applicable foreign law;
- The burdens of complying with a wide variety of foreign laws and different legal standards, including laws and regulations related to privacy, the transfer of personal information across borders, and data security and limitations on liability;
- Increased financial accounting and reporting burdens and complexities;

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- Political, social and economic instability abroad, terrorist attacks and security concerns in general, including cyber security; and
- Reduced or varied protection for intellectual property rights in some countries.

The impact of any one of these risks could harm our international business and, consequently, our results of operations generally. Additionally, operating in international markets also requires significant management attention and financial resources. We cannot be certain that the investment and additional resources required in establishing, acquiring or integrating operations in other countries will produce desired levels of revenue or profitability.

Due to the global nature of our business, we could be harmed by violations of the U.S. Foreign Corrupt Practices Act, the U.K. Bribery Act or similar anti-corruption laws in other jurisdictions in which we operate, or various international trade and export laws.

The global nature of our business creates various domestic and local regulatory challenges. The U.S. Foreign Corrupt Practices Act (the “FCPA”), the U.K. Bribery Act 2010 (the “U.K. Bribery Act”), and similar anti-corruption laws in other jurisdictions generally prohibit U.S.-based companies and their intermediaries from making improper payments to non-U.S. officials for the purpose of obtaining or retaining business. In addition, U.S.-based companies are required to maintain records that accurately and fairly represent their transactions and have an adequate system of internal accounting controls. We operate in areas of the world that experience corruption by government officials to some degree and, in certain circumstances, compliance with anti-corruption laws may conflict with local customs and practices. Although we periodically train our employees and agents about these anti-corruption laws, we cannot assure that our training is effective in reducing the risks attendant to such anti-corruption laws. Our global operations require us to import from and export to several countries, which geographically stretches our compliance obligations. In addition, changes in such laws could result in increased regulatory requirements and compliance costs, which could harm our business, financial condition and results of operations. Our employees or other agents may engage in prohibited conduct and render us responsible under the FCPA, the U.K. Bribery Act or similar anti-corruption laws. If we are found to be in violation of the FCPA, the U.K. Bribery Act or other anti-corruption laws (either due to acts or inadvertence of our employees, or due to the acts or inadvertence of others), we could suffer criminal or civil penalties or other sanctions, which could harm our business.

## Risks Related to Our Intellectual Property

If we fail to protect our intellectual property and proprietary rights adequately, our business could be harmed.

We believe that proprietary technology is essential to establishing and maintaining our leadership position. We seek to protect our intellectual property through trade secrets, confidentiality, non-compete and nondisclosure agreements, ,

and by registering numerous patents, trademarks, copyrights, domain names in various justifications as well as using other measures, some of which afford only limited protection. We also rely on patent, trademark, trade secret and copyright laws to protect our intellectual property. Despite our efforts to protect our proprietary rights, unauthorized parties may attempt to copy aspects of our technology or to obtain and use information that we regard as proprietary. Our means of protecting our proprietary rights may not be adequate or our competitors may independently develop similar or superior technology, or design around our intellectual property. In addition, the laws of some foreign countries do not protect our proprietary rights to as great an extent as the laws of the United States. Intellectual property protections may also be unavailable, limited or difficult to obtain and enforce in some countries, which could make it easier for competitors to capture market share. Our failure or inability to adequately protect our intellectual property and proprietary rights could harm our business, financial condition and results of operations.

To prevent substantial unauthorized use of our intellectual property rights, it may be necessary to prosecute actions for infringement and/or misappropriation of our proprietary rights against third parties. Any such action could result in significant costs and diversion of our resources and management's attention, and we cannot assure that we will be successful in such action. Furthermore, many of our current and potential competitors have the ability to dedicate substantially greater resources to enforce their intellectual property rights than we do.

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Accordingly, despite our efforts, we may not be able to prevent third parties from infringing upon or misappropriating our intellectual property.

An assertion by a third party that we are infringing its intellectual property could subject us to costly and time-consuming litigation and lead to expensive licenses or significant liabilities in the event of an adverse judgment.

The industries in which we compete are characterized by the existence of a large number of patents, copyrights, trademarks and trade secrets, and by frequent litigation based on allegations of infringement or other violations of intellectual property rights. We have been subject to patent litigation in the past and we may be subject to similar litigation in the future. Given that our solution integrates with all aspects of the home, the risk that our solution may be subject to these allegations is exacerbated. As we seek to extend our solutions, we could be constrained by the intellectual property rights of others.

We are defendants in legal proceedings from time to time (a summary of current litigation and claims is set forth above in Part II Item 1, Legal Proceedings), and in the past, we have entered into settlement agreements relating to contractual claims and alleged patent infringements, which have included future royalty payments on certain products, the payment of a lump sum amount for alleged past damages, and/or the payment of a fixed amount in exchange for a covenant not to sue.

We might not prevail in any current or future intellectual property infringement litigation given the complex technical issues and inherent uncertainties in such litigation. Defending such claims, regardless of their merit, could be time-consuming and distracting to management, result in costly litigation or settlement, cause development delays or require us to enter into royalty or licensing agreements. In addition, we currently have a limited portfolio of issued patents compared to our larger competitors, and therefore may not be able to effectively utilize our intellectual property portfolio to assert defenses or counterclaims, or negotiate cross-licenses in response to patent infringement claims or litigation brought against us by third parties. Further, litigation may involve patent holding companies or other adverse patent owners who have no relevant products or revenues and against which our potential patents provide no deterrence, and many other potential litigants have the capability to dedicate substantially greater resources to enforce their intellectual property rights and to defend claims that may be brought against them. If our solutions exceed the scope of in-bound licenses or violate any third-party proprietary rights, we could be required to withdraw those solutions from the market, re-develop those solutions or seek to obtain licenses from third parties, which might not be available on reasonable terms or at all. Any efforts to re-develop our solutions, obtain licenses from third parties on favorable terms or license a substitute technology might not be successful and, in any case, might substantially increase our costs and harm our business, financial condition and results of operations. If we were compelled to withdraw any of our solutions from the market, our business, financial condition and results of operations could be harmed.

We are generally obligated to indemnify our independent dealers, distributors and partners for certain expenses and liabilities resulting from intellectual property infringement claims regarding our products, which could force us to

incur substantial costs.

We have agreed, and expect to continue to agree, to indemnify our independent dealers, distributors and partners for certain intellectual property infringement claims regarding our products. As a result, in the case of infringement claims against these dealers, distributors and partners, we could be required to indemnify them for losses resulting from such claims or to refund amounts they have paid to us. We expect that some of our dealers, distributors and partners may seek indemnification from us in connection with infringement claims brought against them. We evaluate each such request on a case-by-case basis and we may not succeed in refuting any such claim that we believe to be unjustified. If a dealer, distributor or partner elects to invest resources in enforcing a claim for indemnification against us, we could incur significant costs disputing it. If we do not succeed in disputing it, we could face substantial liability.

The use of open source software in our solutions may expose us to additional risks and harm our intellectual property.

Some of our solutions use or incorporate software that is subject to one or more open source licenses. Open source software is typically freely accessible, usable and modifiable. Certain open source software licenses require a

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user who intends to distribute the open source software as a component of the user's software to disclose publicly part or all of the source code to the user's software. In addition, certain open source software licenses require the user of such software to make any derivative works of the open source code available to others on potentially unfavorable terms or at no cost.

The terms of many open source licenses to which we are subject have not been interpreted by U.S. or foreign courts, and accordingly there is a risk that those licenses could be construed in a manner that imposes unanticipated conditions or restrictions on our ability to commercialize our solutions. In that event, we could be required to seek licenses from third parties in order to continue offering our solutions, to re-develop our solutions, to discontinue sales of our solutions or to release our proprietary software code under the terms of an open source license, any of which could harm our business. Further, given the nature of open source software, it may be more likely that third parties might assert copyright and other intellectual property infringement claims against us based on our use of these open source software programs. Litigation could be costly for us to defend, have a negative effect on our operating results and financial condition or require us to devote additional research and development resources to change our solutions.

We monitor the use of all open source software in our products, solutions, processes and technology and seek to ensure that no open source software is used in such a way as to require us to disclose the source code to the related product or solution when we do not wish to do so. Despite these precautions, if a third-party software provider has incorporated certain types of open source software into software we license from such third party for our solutions without our knowledge or if we have otherwise incorporated unfavorable open source software into our solutions, we could, under certain circumstances, be required to disclose the related source code to our solutions. This could harm our intellectual property position and our business, results of operations and financial condition.

We rely on the availability of third-party licenses. If these licenses are available to us only on less favorable terms or not at all in the future, our business and results of operations may be harmed.

We have incorporated third-party licensed technology into our products. It may be necessary in the future to renew licenses relating to various aspects of these products or to seek additional licenses for existing or new products. The necessary licenses may not be available on acceptable terms, or at all. The inability to obtain certain licenses or other rights, or to obtain those licenses or rights on favorable terms, or the need to engage in litigation regarding these matters, could result in our inability to include certain features in our products or delays in product releases until such time, if ever, as equivalent technology could be identified, licensed or developed and integrated into our products, which may have a material adverse effect on our business, results of operations and financial condition. Moreover, the inclusion in our products of intellectual property licensed from third parties on a nonexclusive basis could limit our ability to protect our proprietary rights in our products.

Failure to maintain the security of our information and technology networks, including information relating to our dealers, distributors, partners, consumers and employees, could adversely affect us. Furthermore, if security breaches in connection with the delivery of our products and services allow unauthorized third parties to obtain control of or

otherwise access consumers' appliances, our reputation, business, results of operations and financial condition could be harmed.

The legal, regulatory and contractual environment surrounding information security, privacy and fraud is constantly evolving and companies that collect and retain such information are under increasing attack by cyber-criminals around the world. We are dependent on information technology networks and systems, including the Internet, to process, transmit and store electronic information and, in the normal course of our business, we collect and retain certain information, including financial information, from and pertaining to our dealers, distributors, partners, consumers and employees. The protection of dealer, distributor, partner, consumer and employee data is important to the Company, and we devote significant resources to addressing security vulnerabilities in our products and information technology systems, however, the security measures put in place by the Company cannot guarantee security, and our information technology infrastructure may be vulnerable to criminal cyber-attacks or data security incidents due to employee or dealer negligence, error, malfeasance, or other vulnerabilities. Cyber security attacks are increasingly sophisticated, change frequently, and often go undetected until after an attack has been launched. We may fail to identify these new and complex methods of attack, or fail to invest sufficient resources in security measures. We have and will continue to experience cyber-attacks, and we cannot be certain that advances in cyber-



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capabilities or other developments will not permit compromise or breach the technology protecting the networks that access our products and services and repositories where we store this information.

We have acquired a number of companies over the years and may continue to do so in the future. While we make significant efforts to address any information technology security issues with respect to our acquisitions, we may still inherit such risks when we integrate the acquired products and systems within the Company.

In addition, consumers can use our tools to access their automations systems remotely, and certain of our employees and independent dealers can access and update certain of our home automation products and services through the Internet. Security breaches by third parties or by, or originating from, one or more of our dealers, distributors or employees, that allow unauthorized third parties to obtain control of our consumers' appliances containing our products or to obtain, collect, use or disclosure any the personal data of consumers, could harm our reputation, business, results of operations and financial condition. Furthermore, although we do not recommend or approve of port forwarding for remote access to our solutions, certain of our dealers have in the past and may in the future enable port forwarding, which could create security vulnerabilities in a consumer's home network. If a security breach occurs, our reputation, business, results of operations and financial condition could be harmed. In addition, even the perception that there is a security risk associated with home automation devices generally, or that we or our dealers, distributors or employees have improperly used our technology or mishandled personal information could have a negative effect on our business. This negative perception may be increased in the event of a security breach or cyber-attack impacting one of our competitors or their products and services.

Though it is difficult to determine what harm may directly result from any specific interruption or security breach, any failure or perceived failure to maintain performance, reliability, security and availability of systems or the actual or potential theft, loss, fraudulent use or misuse of our products or the confidential information including personally identifiable data of a dealer, distributor, partner, consumer, and employee could result in:

- harm to our reputation or brand, which could lead some consumers to stop using certain of our products or services, reduce or delay future purchases of our products or services, use competing products or services, or materially and adversely affect the overall market perception of the security and reliability of our services and home automation products generally;
- individual and/or class action lawsuits, which could result in financial judgments against us and which would cause us to incur legal fees and costs;
- legal or regulatory enforcement action, which could result in fines and/or penalties and which would cause us to incur legal fees and costs; and/or
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additional costs associated with responding to the interruption or security breach, such as investigative and remediation costs, the costs of providing individuals and/or data owners with notice of the breach, legal fees, the costs of any additional fraud detection activities, or the costs of prolonged system disruptions or shutdowns.

Any of these actions could materially adversely impact our business and results of operations.

#### Risks Related to Owning Our Common Stock

Our share price may be volatile, which may result in securities class action litigation against us.

The market price of our common stock could be subject to wide fluctuations in response to many risk factors listed in this section, and other factors beyond our control, including:

- Actual or anticipated fluctuations in our financial condition and results of operations;
- Overall conditions in our industry and market;

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- Addition or loss of independent dealers, distributors or consumers;
- Changes in laws or regulations applicable to our solutions;
- Actual or anticipated changes in our growth rate relative to our competitors;
- Announcements by us or our competitors of significant acquisitions, strategic partnerships, joint ventures or capital commitments;
- Additions or departures of key personnel;
- Competition from existing products or new products that may emerge;
- Issuance of new or updated research or reports by securities analysts;
- Fluctuations in the valuation of companies perceived by investors to be comparable to us;
- Disputes or other developments related to proprietary rights, including patents, litigation matters and our ability to obtain intellectual property protection for our technologies;
- Sales of our common stock by us or our stockholders;
- Share price and volume fluctuations attributable to inconsistent trading volume levels of our shares; and
- General economic, geopolitical and market conditions.

Furthermore, the stock markets have experienced extreme price and volume fluctuations that have affected and continue to affect the market prices of equity securities of many companies. These fluctuations often have been unrelated or disproportionate to the operating performance of those companies. These broad market and industry fluctuations, as well as general economic, geopolitical and market conditions such as recessions, interest rate changes or international currency and capital markets fluctuation, may harm the market price of our common stock. In the past, companies that have experienced volatility in the market price of their stock have been subject to securities class action litigation. We may be the target of this type of litigation in the future. Securities litigation against us could result in substantial costs and divert our management's attention from other business concerns, which could harm our business.

If securities or industry analysts do not publish research or reports about our business, or publish negative reports about our business, our share price and trading volume could decline.

The trading market for our common stock depends in part on the research and reports that securities or industry analysts publish about our business. We do not have any control over these analysts. If one or more of the analysts who cover us downgrade our shares or change their opinion of our shares, our share price will likely decline. If one or more of these analysts cease coverage of our company or fail to regularly publish research or reports on us, we could lose visibility in the financial markets, which could cause our stock price or trading volume to decline.

The concentration of ownership of our capital stock limits your ability to influence corporate matters.

As of September 30, 2015, our directors, executive officers and holders of more than 5% of our common stock, together with their affiliates, beneficially own, in the aggregate, 40% of our outstanding common stock. As a result, these stockholders, acting together, would have the ability to significantly influence the outcome of matters submitted to our stockholders for approval, including the election of directors and any merger, consolidation or sale of all or substantially all of our assets. In addition, these stockholders, acting together, would have the ability to

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control the management and affairs of our company. Accordingly, this concentration of ownership might harm the market price of our common stock by:

- Delaying, deferring or preventing a change in corporate control;
- Impeding a merger, consolidation, takeover or other business combination involving us; or
- Discouraging a potential acquirer from making a tender offer or otherwise attempting to obtain control of us.

Anti-takeover provisions in our charter documents and under Delaware law could make an acquisition of us, which may be beneficial to our stockholders, more difficult and may prevent attempts by our stockholders to replace or remove our current management and limit the market price of our common stock.

Provisions in our amended and restated certificate of incorporation and amended and restated bylaws may have the effect of delaying or preventing a change of control or changes in our management. Our amended and restated certificate of incorporation and amended and restated include provisions that:

- Authorize our board of directors to issue, without further action by the stockholders, up to 25,000,000 shares of undesignated preferred stock;
- Require that any action to be taken by our stockholders be effected at a duly called annual or special meeting and not by written consent;
- Specify that special meetings of our stockholders can be called only by our board of directors, the Chairman of the Board, the Chief Executive Officer or the President;
- Establish an advance notice procedure for stockholder approvals to be brought before an annual meeting of our stockholders, including proposed nominations of persons for election to our board of directors;
- Provide that directors may be removed only for cause;
- Provide that vacancies on our board of directors may be filled only by a majority of directors then in office, even though less than a quorum;

- Establish that our board of directors is divided into three classes—Class I, Class II and Class III—with each class serving staggered terms; and
- Require a super-majority of votes to amend certain of the above-mentioned provisions.

These provisions, alone or together, could delay or prevent hostile takeovers and changes in control. These provisions may also frustrate or prevent any attempts by our stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our board of directors, which is responsible for appointing the members of our management.

As a Delaware corporation, we are also subject to provisions of Delaware law, including Section 203 of the Delaware General Corporation law, which prevents some stockholders holding more than 15% of our outstanding common stock from engaging in certain business combinations without approval of the holders of substantially all of our outstanding common stock.

Any provision of our certificate of incorporation or bylaws or Delaware law that has the effect of delaying or deterring a change of control could limit the opportunity for our stockholders to receive a premium for their shares of our common stock, and could also affect the price that some investors are willing to pay for our common stock.

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## ITEM 2. Unregistered Sales of Equity Securities and Use of Proceeds

## Unregistered Sales of Equity Securities

During the quarter ended September 30, 2015, we did not issue or sell any shares of our common stock or other equity securities pursuant to unregistered transactions in reliance upon an exemption from the registration requirements of the Securities Act of 1933, as amended.

## Share Repurchases

In May 2015, the Company's Board of Directors authorized the repurchase of up to \$20 million in Control4 common stock from time to time on the open market. The authorization by the Board of Directors will expire after one year, or when terminated earlier. Any shares repurchased will be in compliance with applicable legal requirements, at prices determined to be attractive and in the best interests of both the company and its stockholders. During the three months ended September 30, 2015, we repurchased 330,386 shares of outstanding common stock under the share repurchase program, as set forth in the table below:

Period	Total Number of Shares Purchased	Average Price Paid Per Share <sup>1</sup>	Total Number of Shares Purchased as Part of Publicly Announced Plan	Dollar Value of Shares that May Yet Be Purchased Under the Plan (in thousands)
August 1 - 31, 2015	330,386	8.46	330,386	-
	330,386	8.46	330,386	15,057

<sup>1</sup> These amounts include fees and commissions associated with the share repurchase

## ITEM 4. Mine Safety Disclosures

None.





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## ITEM 6. Exhibits

The exhibits listed below are filed or incorporated by reference as part of this Quarterly Report on Form 10-Q.

Exhibit Number	Description of Exhibits	Incorporated by Reference from Form	Incorporated by Reference from Exhibit Number	Date Filed
3.1	Amended and Restated Certificate of Incorporation.	10-Q	3.1	August 30, 2013
3.2	Amended and Restated Bylaws.	S-1	3.4	July 1, 2013
4.1	Form of Common Stock certificate of the Registrant.	S-1/A	4.1	July 18, 2013
21.1	List of Subsidiaries of the Registrant.	10-Q	21.1	July 31, 2015
31.1	Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act.	Filed herewith		
31.2	Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act.	Filed herewith		
32.1*	Certification of the Chief Executive Officer and the Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act.	Furnished herewith		
101.INS	XBRL Instance Document	Filed herewith		
101.SCH	XBRL Taxonomy Extension Schema Document	Filed herewith		
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document	Filed herewith		
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document	Filed herewith		
101.LAB		Filed herewith		

XBRL Taxonomy Extension Label  
Linkbase Document

101.PRE XBRL Taxonomy Extension Presentation Filed herewith  
Linkbase Document

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\*The certifications furnished in Exhibit 32.1 hereto are deemed to accompany this Quarterly Report on Form 10-Q and will not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, except to the extent that the Registrant specifically incorporates it by reference.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: October 30, 2015

CONTROL4 CORPORATION

By: /s/ Mark Novakovich  
Mark Novakovich  
Chief Financial Officer  
(Principal Financial and Accounting Officer)