CIENA CORP Form 4 January 18, 2011

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SMITH GARY B	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle)	CIENA CORP [CIEN] 3. Date of Earliest Transaction	(Check all applicable)		
C/O CIENA CORPORATION, 1201 WINTERSON ROAD	(Month/Day/Year) 01/14/2011	X Director 10% Owner Symbol Other (give title Other (specify below) PRESIDENT, CEO		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
LINTHICUM,, MD 21090		Form filed by More than One Reporting Person		

(State)

(City)

(Zip)

(,)	()	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of	2. Transaction Date		3.	4. Securities	* '	5. Amount of	6.	7. Nature of	
Security (Instr. 3)	(Month/Day/Year)	Execution Date, if any	Code	omr Disposed of (Instr. 3, 4 an		Securities Beneficially	Ownership Form:	Indirect Beneficial	
		(Month/Day/Year)	(Instr. 8)			Owned Following	Direct (D) or Indirect	Ownership (Instr. 4)	
				(A)	Reported	(I)	(mstr. 1)	
				or		Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
			Code V	Amount (D) Price	(
Common Stock	01/14/2011		S(1)	6,250 D	25.0321 (2)	613,530 (3)	D		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	Year)	Underlyi	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr. 3	and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								٨	mount		
								01			
						Date	Expiration		umber		
						Exercisable	Date	of			
				Code V	(A) (D)				hares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
SMITH GARY B							
C/O CIENA CORPORATION	X		PRESIDENT, CEO				
1201 WINTERSON ROAD	Λ	FRESIDENT, CEO					
LINTHICUM,, MD 21090							

Signatures

By: Erik Lichter For: Gary B 01/18/2011 Smith

**Signature of Reporting Person Date

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Sales were effected pursuant to Rule 10b5-1 trading plan dated December 30, 2009.
- Reflects the weighted average sales price with transactions in a range of sales prices from \$24.61 to \$25.34. Upon request by the SEC, **(2)** full information regarding the number of shares sold at each separate sales price will be provided.
- (3) Shares reported include unvested Restricted Stock Units (RSUs).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2