CIENA CORP Form 4 September 13, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

Check this box

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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **SMITH GARY B** Issuer Symbol CIENA CORP [CIEN] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner __Other (specify X_ Officer (give title _ C/O CIENA CORPORATION, 1201 09/12/2007 below) WINTERSON ROAD PRESIDENT, CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting LINTHICUM,, MD 21090 Person

(Ctota)

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	e Secu	rities Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi corr Dispo (Instr. 3,	sed of 4 and (A) or		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	09/12/2007		M	3,840	A	\$ 19.95	98,468	D	
Common Stock	09/12/2007		S <u>(1)</u>	3,840	D	\$ 37.5183 (2)	94,628	D	

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

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 19.95	09/12/2007		M	3,840	<u>(3)</u>	12/10/2014	Common Stock	3,84

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 8	Director	10% Owner	Officer	Other			
SMITH GARY B C/O CIENA CORPORATION 1201 WINTERSON ROAD LINTHICUM,, MD 21090	X		PRESIDENT, CEO				

Signatures

By: Russell B. Stevenson, Jr. For: Gary B.
Smith

09/13/2007

**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 June 22, 2007.
 - Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 200 shares at \$37.58; 100 shares at \$37.61; 100 shares at \$37.47; 100 shares at \$37.62; 200 shares at \$37.59; 100 shares at \$37.74; 100 shares at \$37.68; 100 shares at \$37.50; 200 shares at \$37.38; 100 shares at \$37.40; 100 shares at \$37.35; 140 shares at \$37.23; 100 shares at \$37.48; 100 shares at \$37.51; 200 shares at \$3
- (2) \$37.38, 100 shares at \$37.36, 100 shares at \$37.37, 200 shares at \$37.42, 100 shares at \$37.46, 100 shares at \$37.29; 300 shares at \$37.44; 100 shares at \$37.26; 100 shares at \$37.31; 200 shares at \$37.49; 300 shares at \$37.65; 100 shares at \$37.85; 100 shares at \$38.02; 100 shares at \$37.86; and 100 shares at \$37.78.
- (3) Option is fully vested.

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.

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