CIENA CORP Form 4 March 23, 2009

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 * 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 X_ Officer (give title Other (specify C/O CIENA CORPORATION, 1201 03/20/2009 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

(Ctota)

(7:-

(City)	(State)	(Zip) Tabl	le I - Non-l	Derivative	Secur	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securit		equired (A)	5. Amount of Securities	6. Ownership	7. Nature of Indirect
(Instr. 3)		any	Code (Instr. 3, 4 and 5)			Beneficially	Form:	Beneficial	
		(Month/Day/Year)	(Instr. 8)				Owned Following	Direct (D) or Indirect	Ownership (Instr. 4)
					(A)		Reported Transaction(s)	(I) (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)	(======================================	
Common Stock	03/20/2009		S	489 (1)	D	\$ 7.0115	662,108	D	
Common Stock	03/20/2009		S	14,147 (2)	D	\$ 7.0115	647,961 <u>(3)</u>	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.

Person

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 6	Director	10% Owner	Officer	Other			
SMITH GARY B C/O CIENA CORPORATION 1201 WINTERSON ROAD LINTHICUM,, MD 21090	X		PRESIDENT, CEO				

Signatures

By: Erik Lichter For: Gary B. 03/23/2009 Smith

**Signature of Reporting Person

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).
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (1) to a restricted stock unit (RSU) award agreement dated 12/18/2007. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2007.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (2) to a restricted stock unit (RSU) award agreement dated 12/16/2008. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2008.
- (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.

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