FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL											
OMB Number:	3235-0287										
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	Check this box if no longer subject to
)	Section 16. Form 4 or Form 5
J	obligations may continue. See
	Instruction 1(b)

Filed pursuant to Section 16(a) of the Securities Eychange Act of 1934

			i licu		Section 30(h) of the					1 100-						
1. Name and Address of Reporting Person*				2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
SMITH GARY B						_	-				X	Director	10% (Owner		
(Last) (First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year)							X	Officer (give title below)	Other below	(specify		
C/O CIENA CORPORATION					12/29/2010							PRESIDI	ENT, CEO			
1201 WINTERS	ON ROAD															
				4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) LINTHICUM, MD 21090											Form filed by One Reporting Person					
												Form filed by More than One Reporting Person				
(City)	(State)	(Zip)										Pelsuil				
	T	able I - N	Non-Deriva	tive	Securities A	cquire	ed, D	isposed o	f, or B	Benefic	ially	Owned				
Date			2. Transaction Date (Month/Day/Ye	ar)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 ar			5)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code V		Amount (A) or (D)		Price		Transaction(s) (Instr. 3 and 4)		(111311.4)		
Common Stock 12/29/20:						S ⁽¹⁾		6,250	D	\$21.02	232 ⁽²⁾	619,780 ⁽³⁾	D			
		Table II			ecurities Acq		•				•	vned				

5. Number 6. Date Exercisable and

Security (Instr. 3)		or Exercise Price of Derivative Security	Date (Month/Day/Year)	if any (Month/Day/Year)	Code (Instr. 8)		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration Date (Month/Day/Year)		Securities Underlying Derivative Security (Instr. 3 and 4)		Security (Instr. 5)	Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
						Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. Title of

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated December 30, 2009.
- 2. Reflects the weighted average sales price with transactions in a range of sales prices from \$20.83 to \$21.17. Upon request by the SEC, 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).

3. Transaction

By: Erik Lichter For: Gary B Smith

7. Title and

12/30/2010

** Signature of Reporting Person

Date

9. Number of

8. Price of

10.

11. Nature

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

3A. Deemed

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.