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 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>ALEXANDER STEPHEN B</u>					2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]										all app Direct Office	olicable) otor er (give title			Ssuer Owner (specify	
	(Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD					3. Date of Earliest Transaction (Month/Day/Year) 12/16/2009									Λ	Sr V	w) Thief Te	cer		
(Street) LINTHIC	CUM, M	D 2	21090 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						Execution		n Date,	Cod	sactione (Instr	n Dispose	d Of ((A) or	(A) or . 3, 4 a	nd	Securities Beneficially		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock 1				12/16	5/2009						60,000(1)		(υ)		(Instr. 3 and 4) 30 363,748 ⁽²⁾			D		
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)	re Conversion or Exercise Price of Derivative Security Date (Month/Day/Year) Execution Date, if any (Month/Day/Year)		4. Transa Code (8)		Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year) Date Exercisable Expiration Date			An Se Un De Se an	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Number of Shares		t		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owner Form Direct or Inc (I) (In		11. Nature of Indirect Beneficial Ownership (Instr. 4)		

Explanation of Responses:

1. Reflects Restricted Stock Units (RSUs) that vest over four years, with one-sixteenth of the grant amount vesting on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2010.

2. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik J. Lichter For: Stephen B. Alexander

12/17/2009

** Signature of Reporting Person Date

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

- * 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.