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CIENA CORP

Reported by

ALEXANDER STEPHEN B

FORM 4/A

(Amended Statement of Changes in Beneficial Ownership)

Filed 04/16/12 for the Period Ending 03/21/12

Address	1201 WINTERSON ROAD LINTHICUM, MD 21090
Telephone	4108658500
CIK	0000936395
Symbol	CIEN
SIC Code	3661 - Telephone and Telegraph Apparatus
Industry	Communications Equipment
Sector	Technology
Fiscal Year	10/31

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FORM 4

[ ] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

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

OMB APPROVAL
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
ALEXANDER STEPHEN B (Last) (First) (Middle)	**CIENA CORP [CIEN]**	_____ Director _____ 10% Owner __ **X** __ Officer (give title below) _____ Other (specify below) **Sr VP Chief Technology Officer**
C/O CIENA CORPORATION, 1201 WINTERSON ROAD (Street)	3. Date of Earliest Transaction (MM/DD/YYYY) **3/21/2012**	
LINTHICUM,, MD 21090 (City) (State) (Zip)	4. If Amendment, Date Original Filed (MM/DD/YYYY) **3/23/2012**	6. 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. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	**3/21/2012**		**S**		**1296.0** (1)	**D**	**$15.662**	**218520.0**	**D**	
Common Stock	**3/21/2012**		**S**		**1099.0** (2)	**D**	**$15.6619**	**217421.0** (3)	**D**	

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

(1) Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/16/2009. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2009.

(2) Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related to a restricted stock unit (RSU) award agreement dated 12/14/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2010.

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

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ALEXANDER STEPHEN B **C/O CIENA CORPORATION**				

1201 WINTERSON ROAD LINTHICUM,, MD 21090			**Sr VP Chief Technology Officer**	

Signatures

By: Erik Lichter For: Stephen B. Alexander **4/16/2012**

** 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.

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