## FORM 4

obligations may continue. See Instruction 1(b).

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

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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*  ALEXANDER STEPHEN B																tionship of Reportin all applicable) Director Officer (give title		g Person(s) to Issuer  10% Owner  Other (specify		wner	
(Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD				below) below) Sr VP Chief Technology Office																	
(Street) LINTHIC	ICUM, MD 21090 (State) (Zip)				_ 4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									i. Indivi ine) X	,					
			Table	e I - No	n-Deriv	/ative	Se	curiti	es Acc	quired	, Dis	sposed o	f, or	Ben	efici	ally (	Owne	ed			
1. Title of Security (Instr. 3)  2. Transa Date (Month/D				Execution Date		n Date,	Transaction Disposed C			ies Acquired (A) o Of (D) (Instr. 3, 4 a			and 5) Secu Bene		cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
										Code	v	Amount	nt (A) (C)		Price	Trans		action(s) 3 and 4)			(Instr. 4)
Common Stock 03/					03/20	/2009	2009					403(1)		D	\$7.0115		372,717		I	)	
Common Stock 03/2					03/20	/2009	2009					7,146(2	)	D	\$7.011		365,571 <sup>(3)</sup>		I	)	
			Та									osed of, convertib					ned				
Security or Exerc (Instr. 3) Price of Derivativ	Conversion or Exercise	on Date se (Month/	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	n Date,		Transaction Code (Instr.		n of		Exerci on Da Day/Y		7. Title and Amount of Securities Underlying Derivative Security (Instrant 4)				ivative urity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ow For Dire or I (I) (	nership m: ect (D) ndirect Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						Code	v	(A)	(D)	Date Exercisable		Expiration Date	or		nount mber ares						

## **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 12/18/2007. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2007.
- 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 12/16/2008. 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).

By: Erik Lichter For: Stephen

B. Alexander

03/23/2009

\*\* 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.