FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPROVAL								
	OMB Number:	3235-0287							
l	Estimated average burde	en							
l	hours per response:	0.5							

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

	d Address o		2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]									Check all a Dir	pplicable) ector	g Person(s) to Issuer 10% Owner Other (specify					
(Last) 1201 WI	(F NTERSOI		3. Date of Earliest Transaction (Month/Day/Year) 12/14/2010									A be	icer (give title ow) Sr. VP, Chie	Othe belovef Tech.Office	v) .				
(Street) LINTHICUM MD 21090 (City) (State) (Zip)						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				
		Tab	le I - Noi	n-Deriv	/ative	Se	curitie	es Acc	quired,	Dis	posed o	f, or	Bene	efici	ally Ow	ned			
1. Title of Security (Instr. 3) 2. Trans Date (Month/I						Execut Day/Year) if any		2A. Deemed Execution Date, f any Month/Day/Year)		Transaction Di		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			nd Secu Bend Own	nount of irities eficially ed Following orted	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount	(A 1)	A) or D)	Price	Tran	saction(s) r. 3 and 4)		(msu. 4)		
Common	Stock		4/2010	2010			A ⁽¹⁾		50,82	0	Α	\$19	9.1	302,841	D				
Common Stock 12/14/									A ⁽²⁾		12,70	0	Α	\$19	9.1 3	15,541 ⁽³⁾	D		
		Ta									sed of, onvertib				y Owne	d			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date if any (Month/Day/Ye	Date,	Code (Instr.		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		str. 3	8. Price o Derivative Security (Instr. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amo or Nun of Sha	ber					

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, 2011.
- 2. Reflects Performance Stock Units (PSUs) for which the vesting is subject to the achievement of certain performance goals and an additional service period. Based upon the timing of achievement of the performance goals, the target amounts reported may increase by as much as an additional 70% of the grant amount reported above.
- 3. Shares reported include unvested Restricted Stock Units (RSUs).

Remarks:

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

12/16/2010

** 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.