FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

l	OMB APPRO	VAL			
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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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

						500000		01 1110			ompany 7 tot	01 10-10							
1. Name and Address of Reporting Person* PETRIK ANDREW C						2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner					
														X	Officer (give title		Othe	r (specify	
(Last)	(F		3. Date of Earliest Transaction (Month/Day/Year)								71	below) below) VP, CONTROLLER			v)				
C/O CIENA CORPORATION							06/22/2010									VP, CON	IROLLER		
1201 WII	NTERSON																		
							4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)				
(Street)															X Form filed by One Reporting Person				
LINTHICUM, MD 21090															Form filed by More than One Reporting Person				
(City) (State) (Zip)															F 613011				
		Tab	le I - N	on-Deriv	/ative	Sec	uritie	s Ac	quire	d, Di	sposed o	f, or E	enefi	cially	Owne	ed			
Date				Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4 a			and 5) Securities Beneficial Owned Fo		ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
						Code	v	Amount	(A) o	Price			ted action(s) 3 and 4)		(Instr. 4)				
Common	06/22/	2010				S		1,437(1)	D	\$14	\$14.3806		9,979	D					
Common Stock 06/22/2						010			S		325(2)	D	\$14	\$14.3807		79,654	D		
Common Stock 06/22/20						010			S		805(3)	D	\$14	\$14.3806		78,849	D		
Common Stock 06/22/						010			S		432(4)	D	\$14.3806		78,417		D		
Common Stock 06/22/2					2010	.010			S		131 ⁽⁵⁾	D \$14.		.3806	78,286 ⁽⁶⁾		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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed on Date, Day/Year)	4. Transa Code (8)				6. Date Exerc Expiration Da (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)		Deriv Secu (Inst	vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(: (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amoun or Numbe 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 12/16/2008. $Acquisition \ of the \ RSU \ was \ previously \ reported \ in \ Table \ I \ of \ reporting \ person's \ Form \ 4 \ on \ 12/18/2008.$
- 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 12/18/2006. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/06.
- 3. Shares reported reflect the amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sale instruction related to a Performance-Accelerated Restricted Stock Unit (PARSU) award agreement dated December 18, 2007. Acquisition of the PARSU was previously reported in Table I of reporting person's Form 4 on December 20, 2007.
- 4. 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.
- 5. 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.
- 6. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Andrew 06/24/2010 C Petrik

** Signature of Reporting Person

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.