## 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

Washington,	D.C.	20549

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* <u>Aquino Michael Gerald</u>					2. Issuer Name and Ticker or Trading Symbol CIENA CORP [ CIEN ]								(Check	all app Dired	olicable)	g Person(s) to Is			
	ot) (First) (Middle)  O CIENA CORPORATION  O1 WINTERSON ROAD					3. Date of Earliest Transaction (Month/Day/Year) 06/21/2011								X	belov			)``	
(Street) LINTHIC			21090 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	Forn Forn	dual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person			
(- 9)				on-Deriv	ative	Sec	uritie	s Ac	guired	d, Di	sposed o	f, or B	enefi	cially	Owne	ed			
1. Title of Security (Instr. 3)  2. Trans Date			2. Transac	ction 2A. D Exec ay/Year) if any		A. Deemed xecution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a			r 5. A and 5) Sec Ben Owi		ount of ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) oi (D)	Price			action(s) 3 and 4)		(Instr. 4)	
Common Stock 06/21/20					2011	)11		S		290(1)	D	\$16	.7203	1	58,332	D			
Common Stock 06/21/20				2011	)11		S		3,573 <sup>(2)</sup>	D	\$16	.7204	1	54,759	D				
Common Stock 06/21/20				2011	)11		S		990(3)	D	\$16	\$16.7205		53,769	D				
Common Stock 06/21/20				2011	)11			S		1,048(4)	D	\$16	.7202	15	2,721 <sup>(5)</sup>	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	Exercise (Month/Day/Year) if any (Month/Day/Year) rivative			4. Transa Code ( 8)	Instr.	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)				te Amount of Securities Underlying Derivative Security (Instr. and 4)  Amoun or Number of Of		nt er		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)		

## **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 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.
- 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 12/14/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2010.
- 5. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Michael G. Aquino

06/23/2011

\*\* 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.