

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person * <u>Aquino Michael Gerald</u> (Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD (Street) LINTHICUM, MD 21090 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP [CIEN]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SR VP. Worldwide Sales</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>10/02/2007</u>	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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	10/02/2007		M		1,897	A	\$16.87	39,716	D	
Common Stock	10/02/2007		M		4,583	A	\$17.43	44,299	D	
Common Stock	10/02/2007		M		1,785	A	\$25.06	46,084	D	
Common Stock	10/02/2007		M		11,428	A	\$19.95	57,512	D	
Common Stock	10/02/2007		M		1,083	A	\$16.52	58,595	D	
Common Stock	10/02/2007		M		8,928	A	\$31.43	67,523	D	
Common Stock	10/02/2007		M		5,357	A	\$22.96	72,880	D	
Common Stock	10/02/2007		M		2,142	A	\$31.71	75,022	D	
Common Stock	10/02/2007		M		12,856	A	\$30.1	87,878	D	
Common Stock	10/02/2007		S ⁽¹⁾		50,059	D	\$42.5082 ⁽²⁾	37,819	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction 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 (Month/Day/Year)		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: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Non-Qualified Stock Option (right to buy)	\$16.52	10/02/2007		M			1,083	(3)	06/10/2015	Common Stock	1,083	\$0	917	D	
Non-Qualified Stock Option (right to buy)	\$16.87	10/02/2007		M			1,897	(4)	10/26/2014	Common Stock	1,897	\$0	781	D	
Non-Qualified Stock Option (right to buy)	\$17.43	10/02/2007		M			4,583	(5)	10/26/2015	Common Stock	4,583	\$0	5,417	D	
Non-Qualified Stock Option (right to buy)	\$19.95	10/02/2007		M			11,428	(6)	12/10/2014	Common Stock	11,428	\$0	0	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction 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 (Month/Day/Year)		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: 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				
Non-Qualified Stock Option (right to buy)	\$22.96	10/02/2007		M			5,357	(6)	05/31/2014	Common Stock	5,357	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$25.06	10/02/2007		M			1,785	(6)	05/18/2014	Common Stock	1,785	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$30.1	10/02/2007		M			12,856	(6)	08/20/2012	Common Stock	12,856	\$0	1	D	
Non-Qualified Stock Option (right to buy)	\$31.43	10/02/2007		M			8,928	(7)	06/01/2016	Common Stock	8,928	\$0	19,643	D	
Non-Qualified Stock Option (right to buy)	\$31.71	10/02/2007		M			2,142	(6)	11/19/2012	Common Stock	2,142	\$0	0	D	

Explanation of Responses:

- Sales were effected pursuant to Rule 10b5-1 trading plan dated October 2, 2007.
- Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 300 shares at \$42.56; 12,400 shares at \$42.55; 2,033 shares at \$42.53; 4,000 shares at \$42.52; 5,268 shares at \$42.51; 14,800 shares at \$42.50; 2,299 shares at \$42.49; 300 shares at \$42.48; 3,000 shares at \$42.47; 5,559 shares at \$42.45; and 100 shares at \$42.28.
- Option vests at a rate of 25% on June 30, 2006 and 2.084% for each of the 36 months thereafter.
- Option vests at a rate of 25% on October 31, 2005 and 2.084% for each of the 36 months thereafter.
- Option vests in equal monthly amounts over 48 months beginning on November 1, 2005.
- Option is fully vested.
- Options vest in equal monthly amounts over 48 months beginning on June 1, 2006.

By: Erik Lichter For: Michael G. Aquino 10/03/2007

** 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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