SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 Estimated average burden

hours per response:	
	0.5

I. Nume and Address of Reporting Ferson			2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP</u> [CIEN]		tionship of Reporting Person(s) to Issuer all applicable) Director 10% Owner		
(1, +)		(1.4:-1-11-)	3. Date of Earliest Transaction (Month/Day/Year)	— X	Officer (give title below)	Other (specify below)	
(Last) (First) C/O CIENA CORPORATION		(Middle)	04/09/2007		CHIEF OPERATING	OFFICER	
1201 WINTERS	SON ROAD						
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	dividual or Joint/Group Filing (Check Applicabl		
(Street) LINTHICUM.	MD	21090		X	Form filed by One Report	rting Person	
		21030			Form filed by More than Person	One Reporting	
(City)	(State)	(Zip)					

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. Transa Code (8)							7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock	04/09/2007		М		2,514	A	\$19.95	57,771	D		
Common Stock	04/09/2007		S ⁽¹⁾		2,514	D	\$28.9655(2)	55,257	D		
Common Stock	04/09/2007		М		1,785	A	\$16.52	57,042	D		
Common Stock	04/09/2007		S ⁽¹⁾		1,785	D	\$28.9655 ⁽³⁾	55,257	D		

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

			(3 /	,				-,			,				
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. Transa Code (8)		of Deri Sec Acq (A) (Disp of (I	oosed D) tr. 3, 4	6. Date Exerc Expiration Da (Month/Day/Y	te Amount of		f 9 Security	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)	\$ 16.52	04/09/2007		М			1,785	(4)	11/02/2015	Common Stock	1,785	\$0	44,643	D	
Non- Qualified Stock Option (right to buy)	\$ 19.95	04/09/2007		М			2,514	(5)	12/10/2014	Common Stock	2,514	\$0	15,343	D	

Explanation of Responses:

1. Sales were effected pursuant to Rule 10b5-1 trading plan dated 3/19/07.

2. Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 199 shares at \$28.92; 700 shares at \$28.94; 1000 shares at \$28.95; 600 shares at \$28.96; and 15 shares at \$28.98.

3. Reflects the average sale price of the total shares sold. Actual sales prices are as follows: 185 shares at \$28.98; 1229 shares at \$28.99; and 371 shares at \$29.00.

4. Option vests at a rate of 25% on the last day of the month of the one year anniversary of the grant date and 2.084% for each of the 36 months thereafter.

5. Option is fully vested. On October 26, 2005, the Board of Directors accelerated the vesting of Ciena's then unvested, "out-of-the-money" stock options.

By: Erik Lichter For: Arthur D. Smith 04/09/2007

** 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.

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.