FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-028							

37 Estimated average burden 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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

1. Name and Address of Reporting Person* SMITH ARTHUR D						2. Issuer Name and Ticker or Trading Symbol CIENA CORP [CIEN]								(Cł	neck all ap	olicable)	g Person(s) to Issuer 10% Owner Other (specify		
(Last) (First) (Middle) C/O CIENA CORPORATION 1201 WINTERSON ROAD						3. Date of Earliest Transaction (Month/Day/Year) 03/20/2009									A belo	below) below) CHIEF OPERATING OFFICER)` '	
(Street) LINTHIC			21090 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								Lin	ndividual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tabl	e I - No	n-Deriv	ative	Sec	curiti	es Acc	quired	, Dis	posed o	f, or l	Bene	ficia	lly Own	ed			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Date,		3. Transaction Code (Instr. 8)						5) Secur Benef	icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
			Code	v			Amount	(A) or (D) Prid		Price	Trans	action(s) 3 and 4)		(Instr. 4)					
Common Stock 03/20/						2009			S	s 35])	\$7.01	15 2	57,879	D		
Common Stock 03/20/2				2009				S		5,123 ⁽²⁾)])	\$7.01	15 25	2,756(3)	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. Deem Execution if any (Month/D	n Date,	ate, Transact Code (Ins				6. Date Exercisa Expiration Date (Month/Day/Yea		te	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)			8. Price of Derivative Security (Instr. 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 Exercisa	able	Expiration Date	Title	Amo or Num of Shai	ber						

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 include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Arthur D. 03/23/2009 Smith

** 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.