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	fnc	, if n	long		hiort t	to
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Section 16. Form 4 or Form 5	n 4	rm 4	or Fo	orm 5		
obligations may continue. See	cor	у сс	itinue	e. 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

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1. Name and Addre <u>SMITH ART</u>	ss of Reporting Pers ' <u>HUR D</u>	on*	2. Issuer Name and Ticker or Trading Symbol <u>CIENA CORP</u> [CIEN]		tionship of Reporting Pe all applicable) Director	rson(s) to Issuer 10% Owner
(Last) (First) (Middle) C/O CIENA CORPORATION		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 06/22/2010	x	Officer (give title below) Sr. VP, Chief In	Other (specify below) tegration
1201 WINTERS			4. If Amendment, Date of Original Filed (Month/Day/Year)	6 Indiv	vidual or Joint/Group Filir	ng (Check Annlicable
(Street) LINTHICUM,	MD	21090		Line)	Form filed by One Rep Form filed by More that Person	porting Person
(City)	(State)	(Zip)				

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

			4	.,		,						
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)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			ttion Disposed Of (D) (Instr. 3, 4 and 5) Securities Instr. Beneficially Owned Following		Securities	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	Transaction(s) (Instr. 3 and 4)		(1150.4)		
Common Stock	06/22/2010		S		5,028 ⁽¹⁾	D	\$14.3806	228,125	D			
Common Stock	06/22/2010		S		2,069 ⁽²⁾	D	\$14.3806	226,056	D			
Common Stock	06/22/2010		S		1,293(3)	D	\$14.3806	224,763	D			
Common Stock	06/22/2010		S		303(4)	D	\$14.3805	224,460 ⁽⁵⁾	D			

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

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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)	Transaction Code (Instr. 8)		5. Nu of Deriv Secu Acqu (A) or Dispo of (D) (Instr and 5	ative rities ired osed . 3, 4	Expiration Date (Month/Day/Year) ed		Expiration Date Amour			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				

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 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.

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 12/18/2007. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/20/2007.

5. Shares reported include unvested Restricted Stock Units (RSUs).

By: Erik Lichter For: Arthur D 06/24/2010

<u>Smith</u>

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 \ast 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.