FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average bu	ırden								

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 Number:	3235-0287						
Estimated average burden							
hours per response:	0.5						

Name and Address of Reporting Person* CAMTELL CARNATE						2. Issuer Name and Ticker or Trading Symbol CIENA CORP CIEN								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
SMITH GARY B									L CIL	. ,]				X	Direc	ctor	10%	Owner
(Last) (First) (Middle)						Date of Earliest Transaction (Month/Day/Year)								X Offi		er (give title w)	Othe belo	er (specify w)
C/O CIENA CORPORATION						02/24/2010								PRESIDENT, CEO				
1201 WINTERSON ROAD																		
					- 4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable				
(Street)														Line) X Form filed by One Reporting Person				
LINTHICUM, MD 21090														Form filed by More than One Reporting				
(City)	(9	tate) ((Zip)		-										Pers	son		
(City)																		
		Tab	le I - I	Non-Deriv	<i>r</i> ative	Seci	uritie	s Ac	equire	ed, D	isposed o	of, or E	Benefici	ally (Owne	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Yell)					Execution Date,		·	3. Transaction Code (Instr. 3, 4 Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4 8)				d (A) or r. 3, 4 and	ind 5) So Bo O		ount of rities ficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership	
									Code	v	Amount	(A) or (D)	Price			action(s) 3 and 4)		(Instr. 4)
Common Stock 02/24/2)10				S ⁽¹⁾		6,250	D	\$14.28	873 ⁽²⁾ 6!)7,488 ⁽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)	rivative Conversion Date Execution Date, curity or Exercise (Month/Day/Year) if any				ransaction ode (Instr.		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)			and nt of ties ying tive ty (Instr. 3	8. Price of Derivativ 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 Exerc	cisable	Expiration Date	Title	Amount or Number of Shares					

Explanation of Responses:

- 1. Sales were effected pursuant to Rule 10b5-1 trading plan dated December 30, 2009.
- 2. Reflects the weighted average sales price with transactions in a range of sales prices from \$14.17 to \$14.43. Upon request by the SEC, full information regarding the number of shares sold at each separate sales price will be provided.
- 3. Shares reported include unvested Restricted Stock Units (RSUs).

By: Frances M. Jackson For: Gary B. Smith

02/26/2010

** 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.