## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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l	OMB APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burde	en
l	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).

## 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

					_													
Name and Address of Reporting Person*  COMMENT CARRY D						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					1-				-					X	Direc	ctor	10% (	Owner
-														X	Offic	er (give title	Other	(specify
(Last)	(Fi	rst) (	Middle)	)	3. D	ate of	Earlies	t Tran	saction	n (Mont	h/Day/Year)			Λ	belov		below	
C/O CIF	NA CORPO	OR ATION			02/	02/11/2010								PRESIDENT, CEO				
1201 WI	NTERSON	RUAD			$\vdash$													
-					-   4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								3. Indiv ₋ine)	idual o	r Joint/Group	Filing (Check A	pplicable
(Street)													Ι,	X	Eorn	a filad by Onc	Reporting Pers	on
LINTHIC	CUM, M	D 2	21090											Λ		,	, ,	
					-										Forn Pers		e than One Rep	orting
(City)	(S	tate) (	Zip)												1 010	.011		
		Tab	e I - N	Non-Deriv	/ative	Sec	uritie	s Ac	quire	ed, Di	sposed o	f, or E	3enefici	ially (	Owne	ed		
1. Title of S	Security (Inst	tr. 3)		2. Transacti	on	Execution Date,			3. 4. Securities Acquired (A) or			d (A) or	5. Amount of Securities Beneficially		ount of	6. Ownership	7. Nature	
	, ,	•		Date (Month/Day	(Voor)				Transaction Disposed Of Code (Instr.		(D) (Instr. 3, 4 and 5					Form: Direct (D) or Indirect	of Indirect Beneficial	
(Month/Day/Yo				/ I cai /	(Month/Day/Year)						Owi		d Following	(I) (Instr. 4)	Ownership			
								Code V Amount			(A) or		Report		rted action(s)		(Instr. 4)	
										V	Amount	(A) or (D)	Price		(Instr. 3 and 4)			
Common Stock 02/11/201						10			S <sup>(1)</sup>		6,250	D	\$13.82	97(2)	70	3,738 <sup>(3)</sup>	D	
		т,	bla II	Dorivo	iivo C	0011r	itioo	Λ o α ι	iirad	Dier	osed of,	or Bo	noficial	ly Ov	unad			
		le	ıbie ii								convertib				viieu			
		la = .:	l		-	,			1			1		1				
1. Title of Derivative	2. Conversion			eemed ition Date,	4. Transa	ction	5. Number of Derivative		6. Date Exercisable and Expiration Date			7. Title and Amount of			ice of ative	9. Number of derivative	f 10. Ownership	11. Nature of Indirect
Security (Instr. 3)	or Exercise Price of		if any	h/Day/Voor)	Code (	Instr.			(Month/Day/Year)			Securities		Security (Instr. 5)		Securities	Form:	Beneficial Ownership
(Instr. 3) Price of Derivative Security (Month/Day/Year) 8				8)			Securities Underlying Acquired Derivative				1 '		Beneficially Owned	Direct (D) or Indirect	(Instr. 4)			
					(A) or Disposed of (D)			Security (Inst and 4)					ty (Instr. 3	Following Reported	(I) (Instr. 4)			
													Transaction(s)					
						(Instr. 3, 4 and 5)									(Instr. 4)			
							4114 3	<del>,</del>	+		1		Amount					
													Amount or					
									Dat-		Funimetic		Number					
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	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 \$13.44 to \$13.97. 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: Erik J. Lichter For: Gary B. Smith

02/12/2010

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.