FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
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## 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

1. Name and Address of Reporting Person*  SMITH GARY B					2. Issuer Name and Ticker or Trading Symbol CIENA CORP [ CIEN ]									heck all a	hip of Reportin oplicable) ector	g Person(s) to Issuer			
(Last) (First) (Middle) C/O CIENA CORPORATION 7035 RIDGE RD.					3. Date of Earliest Transaction (Month/Day/Year) 12/21/2017									X Officer (give title Other (specify below)  PRESIDENT, CEO					
(Street)			21076-14	126	4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person  Form filed by More than One Reporting Person				
(City)	(St		(Zip)		<u> </u>									<u>.</u>					
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)					A) or	5. Ai Secu Bend Own	mount of urities eficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount		(A) or (D)	Price	Tran	orted saction(s) r. 3 and 4)		(Instr. 4)		
Common	Stock			12/21	/2017				S		2,894(1	.)	D	\$21.2	22 8	44,764(2)	D		
Common	Stock			12/21	/2017				S		3,842(3	3)	D	\$21.2	22 8	40,922 <sup>(2)</sup>	D		
Common	Stock			12/21	/2017				S		2,818(4	1)	D	\$21.2	22 8	38,104 <sup>(2)</sup>	D		
Common	Stock			12/21	/2017				S		3,032(5	5)	D	\$21.2	22 8	35,072 <sup>(2)</sup>	D		
Common Stock			12/21/2017					S		15,709 <sup>(6)</sup>		D	\$21.2	22 8	19,363 <sup>(2)</sup>	D			
Common	Stock			12/21	/2017				S		9,449(6	6)	D	\$21.2	22 8	09,914 <sup>(2)</sup>	D		
Common Stock				12/21/2017					S		41,184 <sup>(7)</sup>		D	\$21.22		68,730 <sup>(2)</sup>	D		
Common	Stock			12/21	/2017				S		12,983(	7)	D	\$21.2	22 7	55,747 <sup>(2)</sup>	D		
Common	Stock			12/21	/2017				S		11,033	8)	D	\$21.2	22 7	44,714(2)	D		
Common Stock					12/21/2017				S		10,791(8)		D	\$21.2	22 7	33,923 <sup>(2)</sup>	D		
		Ta									sed of,				Owne	d			
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	ned n Date,	4. Transaction Code (Instr		on of		6. Date Exerci Expiration Dat (Month/Day/Ye		sable and	7. Title and Amount of Securities Underlying Derivative Security (Ins and 4)			8. Price of Derivative Security (Instr. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Explanation	of Respons	es:			Code	v	(A)		Date Exercisa		Expiration Date	Title	or Nur of	nber					

- 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 12/17/2013. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2013.
- 2. Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- 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 12/17/2014. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2014.
- 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 12/15/2015. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/17/2015.
- 5. 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 12/14/2016. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2016.
- 6. 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 performance stock unit (PSU) award agreement dated 12/15/2015. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/14/2016.
- 7. 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 performance stock unit (PSU) award agreement dated 12/17/2014. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/17/2015.
- 8. 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 performance stock unit (PSU) award agreement dated 12/14/2016. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/14/2017.

By: Michelle Rankin For: Gary B. 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.