ALEXANDER STEPHEN B

Form 4

December 26, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ALEXANDER STEPHEN B

2. Issuer Name and Ticker or Trading

2005

OMB

Number:

Expires:

Estimated average burden hours per response... 0.5

OMB APPROVAL

3235-0287

January 31,

5. Relationship of Reporting Person(s) to Issuer Symbol CIENA CORP [CIEN] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title Other (specify C/O CIENA CORPORATION, 7035 12/21/2017 below) RIDGE RD. Sr VP Chief Technology Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting HANOVER, MD 21076-1426 Person

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secui	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or		Beneficially (D) or Owned Indirect (I) Following (Instr. 4) Reported Transaction(s)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	12/21/2017		Code V S	Amount 413 (1)	` ′	Price \$ 21.22	(Instr. 3 and 4) 158,269 (2)	D	
Common Stock	12/21/2017		S	617 (3)	D	\$ 21.22	157,652 (2)	D	
Common Stock	12/21/2017		S	672 (4)	D	\$ 21.22	156,980 (2)	D	
Common Stock	12/21/2017		S	1,501 (5)	D	\$ 21.22	155,479 (2)	D	
Common Stock	12/21/2017		S	1,714 (6)	D	\$ 21.22	153,765 (2)	D	

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Common Stock	12/21/2017	S	1,752 (6)	D	\$ 21.22	152,013 (2)	D
Common Stock	12/21/2017	S	4,469 (7)	D	\$ 21.22	147,544 (2)	D
Common Stock	12/21/2017	S	1,948 (7)	D	\$ 21.22	145,596 (2)	D
Common Stock	12/21/2017	S	722 (8)	D	\$ 21.22	144,874 (2)	D
Common Stock	12/21/2017	S	2,494 (5)	D	\$ 21.22	142,380 (2)	D

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

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 control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Secur (Instr.	int of rlying	8. Price of Derivative Security (Instr. 5)	
				Code V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships							
·r··	Director	10% Owner	Officer	Other				
ALEXANDER STEPHEN B C/O CIENA CORPORATION 7035 RIDGE RD.			Sr VP Chief Technology					
HANOVER, MD 21076-1426			Officer					

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Signatures

By: Michelle Rankin For: Stephen B. Alexander

12/26/2017

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (1) 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).
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (3) 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.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (4) 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.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (5) 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.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (6) 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.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (7) 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.
- Shares reported represent an amount sold to cover the tax liabilities of the reporting person pursuant to a 10b5-1 sales instruction related (8) 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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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