Rothenstein David M Form 4 December 20, 2018

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number: January 31, Expires:

2005

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may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

(Ctata)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Rothenstein David M Issuer Symbol CIENA CORP [CIEN] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _ Other (specify X_ Officer (give title) C/O CIENA CORPORATION, 7035 12/18/2018 below) RIDGE RD. Sr. VP, General Counsel (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) (A	Table	I - Non-Do	erivative S	ecurit	ies Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securition(A) or Dis		•	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)		any	Code	(D) (Instr. 3, 4 and 5)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)			Owned Following	Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
						Reported Transaction(s)			
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	12/18/2018		A	21,733 (1)	A	\$0	286,595 (2)	D	
Common Stock	12/18/2018		A	20,401 (3)	A	\$0	306,996 (2)	D	

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

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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. Transacti Code (Instr. 8)	5. Number sion Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price Deriva Securit (Instr.
				Code V	(A) (I		Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Market Stock Units (2021)	\$ 0	12/18/2018		A	8,693 (4)		<u>(5)</u>	<u>(5)</u>	Common Stock	8,693 (4)	\$ (

Reporting Owners

Reporting Owner Name / Address			Relationships	
	Director	10% Owner	Officer	Other

Rothenstein David M C/O CIENA CORPORATION 7035 RIDGE RD. HANOVER, MD 21076-1426

Sr. VP, General Counsel

Signatures

By: Michelle Rankin For: David M.
Rothenstein

**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).
- (1) Reflects Restricted Stock Units (RSUs) that vest over four years, with one-sixteenth of the grant amount vesting on March 20, June 20, September 20, and December 20 of each year, commencing on March 20, 2019.
- (2) Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- (3) Reflects the number of stock units earned pursuant to the terms of a performance stock unit award granted on 12/12/2017 reflecting the achievement of the related performance conditions. These shares vest in equal 1/2 amounts on each December 20, 2018 and 2019.
- Each market stock unit (MSU) represents the contingent right to receive, following vesting, between 0% and 200% of one share of the (4) Issuer's common stock, subject to the level of achievement of applicable total shareholder return (TSR) performance conditions over a three-year period from fiscal 2019 through fiscal 2021.
- (5) The MSUs will vest on December 20, 2021, subject to the performance conditions described above.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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