

CIENA CORP  
Form 4  
December 26, 2012

**FORM 4**

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

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).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**FRODSHAM JAMES**

(Last) (First) (Middle)

**C/O CIENA CORPORATION, 1201 WINTERSON ROAD**

(Street)

**LINTHICUM,, MD 21090**

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**CIENA CORP [CIEN]**

3. Date of Earliest Transaction (Month/Day/Year)  
**12/21/2012**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**SR. VP, Chief Strategy Officer**

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  | Code                           | V   | Amount (A) or (D) Price   |  |   |
| Common Stock                    | 12/21/2012                           |  | S                              |   | 1,458<br>(1)<br>\$ 15.2323  | D  | 190,901 D   |
| Common Stock                    | 12/21/2012                           |  | S                              |   | 1,543<br>(2)<br>\$ 15.2349  | D  | 189,358 D   |
| Common Stock                    | 12/21/2012                           |  | S                              |   | 1,015<br>(3)<br>\$ 15.2358  | D  | 188,343 D   |
| Common Stock                    | 12/21/2012                           |  | A                              |   | 4,445<br>(4)<br>\$ 0  | A  | 192,788 D   |
| Common Stock                    | 12/21/2012                           |  | S                              |   | 5,244<br>(5)<br>\$ 15.2319  | D  | 187,544 (6) D   |

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

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(9-02)

**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. Transaction Code (Instr. 8) | 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) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                                |       |
|--|---------------|-----------|--------------------------------|-------|
|  | Director      | 10% Owner | Officer                        | Other |
| FRODSHAM JAMES<br>C/O CIENA CORPORATION<br>1201 WINTERSON ROAD<br>LINTHICUM,, MD 21090 |               |           | SR. VP, Chief Strategy Officer |       |

## Signatures

By: Erik Lichter For: James A Frodsham  
Date: 12/26/2012

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) 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 12/16/2009. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/18/2009.
- (2) 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 12/14/2010. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2010.
- (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 12/15/2011. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2011.

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reporting person's Form 4 on 12/19/2011.

- (4) Reflects additional shares earned, as determined by the Compensation Committee, pursuant to Performance Stock Units (PSUs) granted December 14, 2010.

- (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 performance stock unit (PSU) award agreement dated 12/14/2010. Acquisition of the PSU was previously reported in Table 1 of reporting person's Form 4 in December 2010.

- (6) Shares reported include unvested Restricted Stock Units (RSUs).

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

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