| CIENA CORP |
|----------------|
| Form SC 13G |
| March 19, 2013 |

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

SCHEDULE 13G (Rule 13d-102)

Information Statement Pursuant to Rules 13d-1 and 13d-2 Under the Securities Exchange Act of 1934 (Amendment No. ___)*

Ciena Corporation (Name of Issuer)

Common stock, par value \$0.01 per share (Title of Class of Securities)

171779309 (CUSIP Number)

March 12, 2013

Date of Event Which Requires Filing of the Statement

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 1.

Citadel Advisors LLC

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

2._(a) o

(b) o

SEC USE ONLY

3.

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

5.

NUMBER OF 0

SHARES

SHARED VOTING POWER

BENEFICIALLY

OWNED BY 6.

4,683,729 shares

EACH

REPORTING

PERSON SOLE DISPOSITIVE POWER

7.

WITH 0

8. SHARED DISPOSITIVE POWER

See Row 6 above

| 0 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
|----|------------------------------------------------------------------------|
| 9. | See Row 6 above |
| 10 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o |
| | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) |
| 11 | • |
| | 4.6% ¹ |

12. TYPE OF REPORTING PERSON

IA; OO; HC

The percentages reported in this Schedule 13G are based upon 101,944,056 shares outstanding (composed of (i) 101,527,083 shares of common stock outstanding as of March 8, 2013 (according to the Form 10-Q filed by the issuer with the Securities and Exchange Commission on March 13, 2013), and (ii) 416,973 shares of common stock issuable upon the conversion of certain convertible bonds owned by the Reporting Persons.

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NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

1.

Citadel Advisors Holdings LP

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

2._(a) o

(b) o

SEC USE ONLY

3.

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

5.

NUMBER OF 0

SHARES

SHARED VOTING POWER

BENEFICIALLY

OWNED BY 6.

4,908,899 shares

EACH

REPORTING

PERSON SOLE DISPOSITIVE POWER

7.

WITH 0

8. SHARED DISPOSITIVE POWER

See Row 6 above

| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
|------------|------------------------------------------------------------------------|
|) . | See Row 6 above |
| 10 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o |
| | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) |
| 11. | |
| | 4.8% |
| 12 | TYPE OF REPORTING PERSON |
| | PN; HC |

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NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

1.

Citadel Investment Group II, L.L.C.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

2._(a) o

(b) o

SEC USE ONLY

3.

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

5.

NUMBER OF 0

SHARES

SHARED VOTING POWER

BENEFICIALLY

OWNED BY 6

5,176,851 shares

EACH

REPORTING

PERSON 7. SOLE DISPOSITIVE POWER

WITH 0

8. SHARED DISPOSITIVE POWER

See Row 6 above.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9.

See Row 6 above.

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 10.

0

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11.

5.1%

12. TYPE OF REPORTING PERSON

OO; HC

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NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 1.

Kenneth Griffin

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

2._(a) o

(b) o

SEC USE ONLY

3.

4. CITIZENSHIP OR PLACE OF ORGANIZATION

U.S. Citizen

SOLE VOTING POWER

5.

NUMBER OF 0

SHARES

SHARED VOTING POWER

BENEFICIALLY

OWNED BY 6.

5,176,851 shares

EACH

REPORTING

PERSON SOLE DISPOSITIVE POWER

7.

WITH 0

8. SHARED DISPOSITIVE POWER

See Row 6 above

| 9. | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON |
|----|------------------------------------------------------------------------|
| 9. | See Row 6 above |
| 10 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) |
| | 5.1% |
| 12 | TYPE OF REPORTING PERSON |
| | IN; HC |

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Item Name of Issuer

Ciena Corporation

Item 1(b) Address of Issuer's Principal Executive Offices

7035 Ridge Road, Hanover, MD 21076

Item 2(a) Name of Person Filing

This Schedule 13G is being jointly filed by Citadel Advisors LLC ("Citadel Advisors"), Citadel Advisors Holdings LP ("CAH"), Citadel Investment Group II, L.L.C. ("CIG-II") and Mr. Kenneth Griffin (collectively with Citadel Advisors, CAH and CIG-II, the "Reporting Persons") with respect to shares of common stock (and options to purchase and/or other securities convertible in common stock) of the above-named issuer owned by Citadel Global Equities Master Fund Ltd., a Cayman Islands limited company ("CG"), Citadel Equity Fund Ltd., a Cayman Islands limited company ("CEF"), Citadel Quantitative Strategies Master Fund Ltd., a Cayman Islands limited company ("CQ"), Citadel Global Equities Alpha Select Master Fund Ltd., a Cayman Islands limited company ("CG-Alpha"), certain segregated accounts and Citadel Securities LLC, a Delaware limited liability company ("Citadel Securities").

Citadel Advisors is the portfolio manager for CG, CEF and CG-Alpha, and the investment manager for certain segregated accounts. Citadel Advisors II LLC, a Delaware limited liability company ("CA-II"), is the portfolio manager of CQ. CAH is the managing member of Citadel Advisors and CA-II. Citadel Holdings I LP, a Delaware limited partnership ("CH-I"), is the non-member manager of Citadel Securities. CIG-II is the general partner of CH-I and CAH. Mr. Griffin is the President and Chief Executive Officer of, and owns a controlling interest in, CIG-II.

The filing of this statement shall not be construed as an admission that any of the Reporting Persons is the beneficial owner of any securities covered by the statement other than the securities actually owned by such person (if any).

1tem 2(b) Address of Principal Business Office

The address of the principal business office of each of the Reporting Persons is c/o Citadel LLC, 131 S. Dearborn Street, 32nd Floor, Chicago, Illinois 60603.

Item 2(c) Citizenship

Each of Citadel Advisors and CIG-II is organized as a limited liability company under the laws of the State of Delaware. CAH is organized as a limited partnership under the laws of the State of Delaware. Mr. Griffin is a U.S. citizen.

Item 2(d) Title of Class of Securities

Common stock, \$0.01 par value

 $\frac{Item}{2(e)} CUSIP Number$

171779309

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Item $3\frac{\text{If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:$

- (a) o Broker or dealer registered under Section 15 of the Exchange Act;
- (b) o Bank as defined in Section 3(a)(6) of the Exchange Act;
- (c) o Insurance company as defined in Section 3(a)(19) of the Exchange Act;
- (d) o Investment company registered under Section 8 of the Investment Company Act;
- (e) o An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) oAn employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) o A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) o A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) o A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) o Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:

Item 4 Ownership

A. Citadel Advisors LLC

- (a) Citadel Advisors may be deemed to beneficially own 4,683,729 shares of Common Stock.
- (b) The number of shares Citadel Advisors may be deemed to beneficially own constitutes approximately 4.6% of the Common Stock outstanding.
- (c) Number of shares as to which such person has:

- (i) sole power to vote or to direct the vote: 0
- (ii) shared power to vote or to direct the vote: 4,683,729
- (iii) sole power to dispose or to direct the disposition of: 0
- (iv) shared power to dispose or to direct the disposition of: 4,683,729

Cusip No. 171779309 **13G** Page 8 of 10 Pages B. Citadel Advisors Holding LP CAH may be deemed to beneficially own 4,908,899 shares of Common Stock. (a) (b) The number of shares CAH may be deemed to beneficially own constitutes approximately 4.8% of the Common Stock outstanding. (c) Number of shares as to which such person has: (i) sole power to vote or to direct the vote: 0 (ii) shared power to vote or to direct the vote: 4,908,899 (iii) sole power to dispose or to direct the disposition of: 0 (iv) shared power to dispose or to direct the disposition of: 4,908,899 C. Citadel Investment Group II, L.L.C. and Kenneth Griffin CIG-II and Griffin may be deemed to beneficially own 5,176,851 shares of Common Stock. (a) (b) The number of shares CIG-II and Griffin may be deemed to beneficially own constitutes approximately 5.1% of the Common Stock outstanding. (c) Number of shares as to which such person has: (i) sole power to vote or to direct the vote: 0 (ii) shared power to vote or to direct the vote: 5,176,851 (iii) sole power to dispose or to direct the disposition of: 0

(iv) shared power to dispose or to direct the disposition of: 5,176,851

Item

ⁿ Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following o.

Item

Ownership of More than Five Percent on Behalf of Another Person

Not Applicable

Item Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the

7 Parent Holding Company

See Item 2 above

Item

em Identification and Classification of Members of the Group

Not Applicable

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Item 9 Notice of Dissolution of Group

Not Applicable

Item 10 Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated this 19th day of March, 2013.

CITADEL ADVISORS LLC

By:

Citadel Advisors Holdings LP,

its Managing Member

CITADEL ADVISORS HOLDINGS LP

Citadel

By: Investment

Group II,

L.L.C., its General

Partner

By: Citadel Investment Group II, L.L.C., By: /s/ Mark

Polemeni

Mark Polemeni, its General Partner Authorized

Signatory

By: /s/ Mark Polemeni

Mark Polemeni, Authorized Signatory

CITADEL INVESTMENT GROUP II, L.L.C.

KENNETH GRIFFIN

By: /s/ Mark Polemeni By: /s/ Mark Polemeni

Mark Polemeni, Authorized Signatory Mark Polemeni, attorney-in-fact*

^{*}Mark Polemeni is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on January 18, 2013, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Advisors LLC on Schedule 13G for

TiVo Inc.