

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-K/A

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934

FOR THE FISCAL YEAR ENDED OCTOBER 31, 2000
COMMISSION FILE NUMBER: 0-21969

CIENA CORPORATION
(EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

DELAWARE	23-2725311
(STATE OR OTHER JURISDICTION OF INCORPORATION OR ORGANIZATION)	(IRS EMPLOYER IDENTIFICATION NO.)

1201 WINTERSON ROAD
LINTHICUM, MARYLAND 21090
(410) 865-8500
(ADDRESS AND TELEPHONE NUMBER OF PRINCIPAL EXECUTIVE OFFICES)

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:
NONE

SECURITIES REGISTERED PURSUANT TO SECTION 12(g) OF THE ACT:
COMMON STOCK, \$.01 PAR VALUE
TITLE OF CLASS

EXPLANATORY NOTE

This 10-K/A is being filed because an opinion on the Financial Statement Schedule was inadvertently omitted from the Company's Form 10-K for the year ended October 31, 2000, filed on December 7, 2000.

ITEM 14. EXHIBITS, FINANCIAL STATEMENT SCHEDULES AND REPORTS ON FORM 8-K

(a) The following documents are filed as a part of this Form:

1. Financial Statement Schedules:

VALUATION AND QUALIFYING ACCOUNTS
(In thousands)

	Balance at beginning of period -----	Provisions -----	Deductions -----	Balance at end of period -----
Year ended October 31, 1998				
Allowance for doubtful accounts	\$ 722	\$ 806	\$ --	\$ 1,528
Allowance for excess and obsolete inventory	\$ 7,466	\$ 9,617	\$5,929	\$11,154
Year ended October 31, 1999				
Allowance for doubtful accounts	\$ 1,528	\$ 250	\$ 75	\$ 1,703
Allowance for excess and obsolete inventory	\$11,154	\$ 6,534	\$5,243	\$12,445
Year ended October 31, 2000				
Allowance for doubtful accounts	\$ 1,703	\$28,010	\$ 132	\$29,581
Allowance for excess and obsolete inventory	\$12,445	\$15,021	\$9,228	\$18,238

REPORT OF INDEPENDENT ACCOUNTANTS ON
FINANCIAL STATEMENT SCHEDULE

To the Board of Directors
and Stockholders of CIENA Corporation:

Our audits of the consolidated financial statements referred to in our report dated December 6, 2000, appearing in the Annual Report on Form 10-K for the year ended October 31, 2000 of CIENA Corporation also included an audit of the financial statement schedule listed in Item 14(a)(2) of this Form 10-K. In our opinion, this financial statement schedule presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements.

PricewaterhouseCoopers LLP
McLean, VA
December 6, 2000

2. Exhibits: See Index to Exhibits on page 4 of this Amendment. The Exhibits listed in the accompanying Index to Exhibits are filed or incorporated by reference as part of this report.

(b) Reports on Form 8-K

No amendment is being made to this item.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

CIENA CORPORATION

Date: January 18, 2001

By: /s/ Andrew C. Petrik

Andrew C. Petrik
Vice President, Controller and
Treasurer

INDEX TO EXHIBITS

Exhibit Number -----	Description -----
3.1 (1)	Certificate of Amendment to Third Restated Certificate of Incorporation
3.2 (1)	Third Restated Certificate of Incorporation
3.3 (1)	Amended and Restated Bylaws
3.5 (10)	Certificate of Amendment to Third Restated Certificate of Incorporation dated March 23, 1998
3.6 (10)	Certificate of Amendment to Third Restated Certificate of Incorporation dated March 16, 2000
4.1 (1)	Specimen Stock Certificate
4.2 (3)	Rights Agreement dated December 29, 1997
4.3 (4)	Amendment to Rights Agreement
4.4 (11)	Amendment No. 2 to Rights Agreement dated September 13, 1998
4.5 (4)	Amendment No. 3 to Rights Agreement dated October 19, 1998
10.1 (1)	Form of Indemnification Agreement for Directors and Officers
10.2 (1)	Amended and Restated 1994 Stock Option Plan
10.3 (1)	Form of Employee Stock Option Agreements
10.4 (1)	1996 Outside Directors Stock Option Plan
10.5 (1)	Forms of 1996 Outside Directors Stock Option Agreement
10.6 (1)	Series C Preferred Stock Purchase Agreement dated December 20, 1995
10.7 (1)	Lease Agreement dated October 5, 1995 between the Company and CS Corridor-32 Limited Partnership
10.8 (1)(8)	Purchase Agreement Between Sprint/United Management Company and the Company dated December 14, 1995
10.9 (1)(8)	Basic Purchase Agreement between WorldCom Network Services, Inc. and the Company dated September 19, 1996
10.10 (1)	Settlement Agreement and Mutual Release, between the Company and William K. Woodruff & Company, dated August 26, 1996
10.13 (1)	Employment Agreement dated April 9, 1994 between the Company and Patrick Nettles
10.14 (1)	Lease Agreement dated November 1, 1996 by and between the Company and Aetna Life Insurance Company
10.15 (1)	Revolving Note and Business Loan Agreement dated November 25, 1996 between the Company and Mercantile-Safe Deposit & Trust Company
10.16 (1)(8)	First Addendum to Procurement Agreement between the Registrant and Sprint/United Management Company dated December 19, 1996
10.17 (5)	Third Addendum to Procurement Agreement between the Registrant and Sprint/United Management Company
10.18 (5)	Form of Transfer of Control/Severance Agreement
10.19 (6)	Lightera 1998 Stock Option Plan and Form of Stock Option Agreement

- 10.18 (5) Form of Transfer of Control/Severance Agreement
- 10.19 (6) Lightera 1998 Stock Option Plan and Form of Stock Option Agreement
- 10.20 (7) Omnia Communications, Inc. 1997 stock plan and form of agreements
- 10.21 (9) Employment Agreement dated August 18, 1999 between the Company and Gary B. Smith
- 10.22 (9) 1999 Non-Officer Stock Option Plan and Form of Stock Option Agreement
- 10.23 (9) Lease Agreement dated June 1, 1999 between the Company and Ridgeview Court Associates, L.L.C.
- 21 (2) Subsidiaries of registrant
- 23.1 Consent of Independent Accountants (filed herewith)
- 27.1 (12) Financial Data Schedule

- (1) Incorporated by reference from the Company's Registration Statement on Form S-1 (333-17729).
- (2) Incorporated by reference from the Company's Registration Statement on Form S-1 (333-28525).
- (3) Incorporated by reference from the Company's Form 8-K dated December 29, 1997.
- (4) Incorporated by reference from the Company's Form 8-K dated October 14, 1998.
- (5) Incorporated by reference from the Company's Form 10-K dated December 10, 1998.
- (6) Incorporated by reference from the Company's Form 10-Q dated May 21, 1999.
- (7) Incorporated by reference from the Company's Form 10-Q dated August 19, 1999.
- (8) Confidential treatment has been granted by the Securities and Exchange Commission with respect to certain portions of these exhibits.
- (9) Incorporated by reference from the Company's Form 10-K dated December 10, 1999.
- (10) Incorporated by reference from the Company's Form 10-Q dated May 18, 2000.
- (11) Incorporated by reference from the Company's Form 8-K dated September 14, 1998.
- (12) Incorporated by reference from the Company's Form 10-K dated December 7, 2000.

CONSENT OF INDEPENDENT ACCOUNTANTS

We hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (No. 333-27131, 333-52467, 333-76915, 333-83581, 333-30900), S-3 (No. 333-81133, 333-80375) and S-4 (No.333-53146) of CIENA Corporation of our reports dated December 6, 2000 relating to the financial statements and financial statement schedule, which appear in CIENA's Annual Report on Form 10-K for the year ended October 31, 2000, as amended.

PricewaterhouseCoopers LLP
McLean, VA
January 17, 2001