UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event	reported) December 14, 2006
Ciena Corpora	tion
(Exact Name of Registrant as Spe	
Delaware	
(State or Other Jurisdiction	
0-21969	23-2725311
(Commission File Number)	(IRS Employer Identification No.)
1201 Winterson Road, Linthicum, MD	21090
(Address of Principal Executive Offices)	
(410) 865-85	00
(Registrant's Telephone Number,	
(Former Name or Former Address, if	
Check the appropriate box below if the Faimultaneously satisfy the filing obligation following provisions:	
_ Written communications pursuant to R (17 CFR 230.425)	ule 425 under the Securities Act
\mid \mid Soliciting material pursuant to Rule CFR 240.14a-12)	14a-12 under the Exchange Act (17
_ Pre-commencement communications purs Exchange Act (17 CFR 240.14d-2(b))	uant to Rule 14d-2(b) under the
_ Pre-commencement communications purs Exchange Act (17 CFR 240.13e-4(c))	uant to Rule 13e-4(c) under the
ITEM 2.02 - RESULTS OF OPERATIONS AND FINANCI	AL CONDITION

On December 14, 2006, Ciena Corporation issued a press release announcing its financial results for its fourth fiscal quarter and fiscal year ended October 31, 2006. The text of the press release is furnished as Exhibit 99.1 to this Report. The information in this Report shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or

otherwise subject to the liabilities of that section, and shall not be incorporated by reference into any registration statement pursuant to the

ITEM 9.01 - FINANCIAL STATEMENTS AND EXHIBITS

Securities Act of 1933, as amended.

(c) The following exhibit is being filed herewith:

Exhibit Number Description of Document

Exhibit 99.1

Text of Press Release dated December 14, 2006, issued by Ciena Corporation, reporting its results of operations for its fourth fiscal quarter and fiscal year ended October 31, 2006.

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: December 14, 2006 By: /s/ Russell B. Stevenson, Jr.

Russell B. Stevenson, Jr. Senior Vice President, General Counsel

and Secretary

Ciena Reports Unaudited Fiscal Fourth Quarter and Year-End Results

Quarterly revenue of \$160.0 million represents 35.3% year-over-year growth; Company achieves profitability for fiscal fourth quarter and fiscal 2006

LINTHICUM, Md.--(BUSINESS WIRE)--December 14, 2006--Ciena(R) Corporation (NASDAQ:CIEN), the network specialist, today announced unaudited results for its fiscal fourth quarter and fiscal year ending October 31, 2006.

Ciena's unaudited fiscal fourth quarter revenue was \$160.0 million, representing a 4.9% sequential increase from fiscal third quarter revenue of \$152.5 million and an increase of 35.3% over revenue of \$118.2 million for the same period a year ago. For the fiscal year ending October 31, 2006, Ciena's unaudited revenue was \$564.1 million, representing an increase of 32.0 % over revenue of \$427.3 million for the same year-ago period.

Ciena's unaudited fiscal fourth quarter net income was \$13.1 million, or a net income of \$0.14 per diluted share. This compares to a net loss of \$252.9 million, or a net loss of \$3.06 per share, in the same period a year ago. Net loss for the fiscal fourth quarter 2005 reflects an aggregate charge of \$222.3 million associated with impairment of goodwill and long-lived assets. For the fiscal year ending October 31, 2006, Ciena's net income was \$0.6 million, or a net income of \$0.01 per diluted share. This compares to a net loss of \$435.7 million, or a net loss of \$5.30 per share, in the same twelve-month period a year ago.

"Ciena's return to profitability in fiscal 2006 can be attributed to the focused, persistent execution of our strategy. Continuing to invest in innovation has enabled us to leverage our network specialist position, thereby driving strong revenue growth," said Ciena CEO and President, Gary Smith. "As a result, our fiscal fourth quarter results represent our eleventh sequential quarterly increase in revenue, at a pace exceeding that of the overall market. Customers are embracing the value of our FlexSelect(TM) Architecture, a unique formula for facilitating network transition, and we are beginning to reap the benefits of bringing that vision to market."

Non-GAAP Presentation of Results

In evaluating the operating performance of its business, Ciena's management excludes certain charges or credits that are required by Generally Accepted Accounting Principles (GAAP). These items, which are identified in the table that follows (in thousands, except per share data), share one or more of the following characteristics: they are unusual, and Ciena does not expect them to recur in the ordinary course of its business; they do not involve the expenditure of cash; they are unrelated to the ongoing operation of the business in the ordinary course; or their magnitude and timing is largely outside of the Company's control.

	Quarter (ended C	oct. 31,	Year ended	Oct. 31,
Item	2005		2006	2005	2006
Stock-based compensation-product Stock-based	\$	- \$	204	\$ -	\$ 1,075
compensation-services Stock-based		-	206	-	810
compensation-research and development Stock-based		56	938	4,404	5,057
compensation-sales and marketing Stock-based	14	47	706	4,404	3,415
compensation-general and administrative	1:	28	963	633	3,385

Amortization of intangible assets Restructuring costs Goodwill impairment Long-lived asset	8,514 2,773 176,600		38,782 18,018 176,600	25,181 15,671 -	
<pre>impairment Provision for (recovery of) doubtful accounts,</pre>	45,728	6	45,862	-	
net	(2)	(41)	2,602	(3,031)	
Gain on lease settlement Contingent legal and consulting fees upon	-	-	-	(11,648)	
litigation settlement (Gain) loss on equity investments, net	500	-	9,486	5,705 (215)	
Gain on extinguishment of debt Income tax adjustment	-	-	(3,882)	(7,052)	
Total adjustments	========	========	\$ 346,344 =======	========	
GAAP net income (loss) Adjustment for the items above		•	\$ (435,699) 346,344		
				25,019	
Adjusted (non-GAAP) net income (loss)			\$ (89,355) =======		
Numerator for Adjusted (non-GAAP) diluted EPS calculation Adjusted (non-GAAP) net income (loss) Add: Interest expense associated with convertible notes (excluding antidilutive expense)		\$ 14,550	\$ (89,355)	\$ 26,214	
adjusted for tax effect	-	122	-	272	
Adjusted (non-GAAP) net income (loss) used to calculate Adjusted (non-GAAP) diluted EPS			\$ (89,355) ======		
Denominator for Adjusted (non-GAAP) diluted EPS calculation Basic weighted average shares issued and outstanding Add: Weighted average shares issuable under stock options, warrants and restricted stock	82,689	84,657	82,170	83,840	
units Add: Weighted average shares associated with convertible notes on an "if	-	899		1,171	
converted" basis		,			
	Quarter end	ed Oct. 31,	Year ende	d Oct. 31,	
Item			2005	2006	

Diluted weighted average shares issued and outstanding Add: Weighted average shares associated with convertible notes on an "if	82,689	93,146	82,170	85,011
converted" basis (1)	-	-	-	4,203
Adjusted (non-GAAP) diluted weighted average shares issued and outstanding	82,689	93,146 ======	82,170 ======	89, 214 ======
Adjusted (non-GAAP) basic EPS Adjusted (non-GAAP)	\$ (0.14)	\$ 0.17	\$ (1.09)	\$ 0.31
diluted EPS	\$ (0.14)	\$ 0.16	\$ (1.09)	\$ 0.30

Please see Appendix A for additional information about this table.

(1) These shares, underlying Ciena's 0.25% convertible senior notes, are excluded from the calculation of GAAP net income per diluted share for the fiscal year ended October 31, 2006 because of their anti-dilutive effect.

Adjusting Ciena's unaudited fiscal fourth quarter 2006 GAAP net income of \$13.1 million for the items noted above would increase the Company's adjusted (non-GAAP) net income in the quarter to \$14.6 million, or an adjusted (non-GAAP) net income of \$0.16 per adjusted diluted share. This compares with an adjusted (non-GAAP) net loss of \$11.6 million, or an adjusted (non-GAAP) net loss of \$0.14 per share, in the same year-ago period.

Adjusting Ciena's unaudited fiscal year 2006 GAAP net income of \$0.6 million for the items noted above would increase the Company's adjusted (non-GAAP) net income for the year to \$26.2 million, or an adjusted (non-GAAP) net income of \$0.30 per adjusted diluted share. This compares with an adjusted (non-GAAP) net loss of \$89.4 million, or an adjusted (non-GAAP) net loss of \$1.09 per share, in the same year-ago period.

To aid investors' understanding of Ciena's results and the effect of SFAS 123R-related share-based compensation expenses, the following table (in thousands, except per share data) summarizes the presentation of Ciena's financial results covered in this press release for both the Company's fiscal fourth quarter 2005 and fiscal fourth quarter 2006.

Periods prior to the Company's fiscal first quarter 2006 have not been restated to reflect, and do not include, the impact of SFAS 123R. Prior periods do include share-based compensation expense recognized in accordance with Accounting Principles Board (APB) Opinion No. 25, "Accounting for Stock Issued to Employees," as interpreted by Financial Accounting Standards Board (FASB) Interpretation (FIN) No. 44.

2005 2006 Net loss Net loss Net Net income per diluted share \$(252,870) \$(3.06) \$13,081 \$0.14		Quarter end	led Oct. 31,	,
per share income per diluted share	200	95	200	96
\$(252,870) \$(3.06) \$13,081 \$0.14	Net loss			per diluted
\$(252,870) \$(3.06) \$13,081 \$0.14 ====================================	 			
	\$(252,870) ======	\$(3.06) ======	\$13,081 ======	\$0.14 =======

Non-GAAP

GAAP

1. GAAP results less SFAS 123R-related sharebased compensation

GAAP results as reported

2. GAAP results less APB 25-related share- based compensation expense	\$(252,239)	\$(3.05)	N/A	N/A
	=======	=======	=======	=======
3. As-adjusted results (excludes SFAS 123R and APB 25-related share-based compensation expense and other items as defined in previous table)	\$(11,649)	\$(0.14)	\$14,550 	\$0.16

N/A

\$16,098

_____ ____

\$0.17

N/A

Fourth Quarter 2006 Financial Highlights

expense

- -- Ciena delivered fiscal fourth quarter sequential revenue growth of 4.9% and year-over-year revenue growth of 35.3%.
- -- Ciena used \$15.0 million (including \$10.2 million of semi-annual interest payments on the Company's outstanding 3.75% convertible notes) in cash for operations in the fiscal fourth quarter.
- -- Ciena ended the fiscal fourth quarter 2006 with cash and short- and long-term investments of \$1.2 billion.
- -- Ciena reduced operating expenses to \$68.9 million in the fiscal fourth quarter 2006.

Fourth Quarter 2006 Customer and Product Highlights

- -- Swisscom and Ciena announced that Swisscom's Carrier Optical Service (COS) and Ciena's optical Ethernet platforms -- the CN 4200(TM) FlexSelect(TM) Advanced Services Platform and CN 2300(TM) Managed Optical Services Multiplexer-- have been certified by the Metro Ethernet Forum for carrier Ethernet Services at the User Network Interface (UNI).
- -- Interoute and Ciena expanded existing relationship to upgrade and extend the operator's Eastern European network, positioning Interoute as the first service provider to offer carrier-class 10-Gigabit wavelength and 10-Gigabit Ethernet services on-demand to enterprise customers in emerging European Union countries.
- -- Internet2 and Ciena announced a partnership to deploy Ciena's CoreDirector(R) Multiservice Switch in the new Internet2 nationwide advanced research and education network. Ciena also became an Internet2 Corporate Partner, the highest level partnership offered, to further advance the exploration and development of next-generation optical switching technology.
- -- Ciena was selected by University of Tennessee at Knoxville for an optical control plane research collaboration to automate configuration and provisioning of lightpaths in support of grid computing applications.
- -- Ciena introduced Data Migration Managed Service (DMMS), a flexible, short-term solution for enterprise data migration needs built around Ciena's award winning CN 2000(TM) Storage Extension Platform and ON-Center(R) Network Management Suite.

Business Outlook

"We remain encouraged by the continued improvement in the strength of our addressable market, and are building momentum with customers as they transition their networks to Ethernet-centric, converged architectures in support of demand for a broader mix of services," said Smith. "We've demonstrated progress in several strategic areas, and are confident that sustained execution of our strategy will enable us to become even more globally competitive and continue improving our overall financial performance in 2007 and beyond."

Smith concluded: "We expect to deliver, on a percentage basis, low single-digit sequential revenue growth in our fiscal first quarter

2007. And, based on our current order pipeline we see growth improving during the balance of the year."

Live Web Broadcast of Unaudited Fiscal Fourth Quarter Results

Ciena will host a discussion of its unaudited fiscal fourth quarter results with investors and financial analysts today, Thursday, December 14, 2006 at 8:30 a.m. (Eastern). The live broadcast of the discussion will be available via Ciena's homepage at www.ciena.com. An archived version of the discussion will be available shortly following the conclusion of the live broadcast on the Investor Relations page of Ciena's website at: http://www.ciena.com/investors/investors.htm.

NOTE TO INVESTORS

This press release contains certain forward-looking statements based on current expectations, forecasts and assumptions that involve risks and uncertainties. These statements are based on information available to the Company as of the date hereof; and Ciena's actual results could differ materially from those stated or implied, due to risks and uncertainties associated with its business, which include the risk factors disclosed in its Report on Form 10-Q filed with the Securities and Exchange Commission on August 31, 2006. Forward-looking statements include statements regarding Ciena's expectations, beliefs, intentions or strategies regarding the future and can be identified by forward-looking words such as "anticipate," "believe," "could," "estimate," "expect," "intend," "may," "should," "will," and "would" or similar words. Forward-looking statements in this release include: we remain encouraged by the continued improvement in strength of our addressable market, and are building momentum with customers as they transition their networks to Ethernet-centric, converged architectures in support of demand for a broader mix of services; we've demonstrated progress in several strategic areas, and are confident that sustained execution of our strategy will enable us to become even more globally competitive and continue improving our overall financial performance in 2007 and beyond; we expect to deliver, on a percentage basis, low single-digit sequential revenue growth in our fiscal first quarter 2007; based on our current order pipeline we see growth improving during the balance of the year. Ciena assumes no obligation to update the information included in this press release, whether as a result of new information, future events or otherwise.

(Unaudited Consolidated Balance Sheets, Statement of Operations and Cash Flows follow)

CIENA CORPORATION CONSOLIDATED BALANCE SHEETS (in thousands, except share data) (unaudited)

Year Ended October 31

	rear Enueu	october 31,
Current assets:	2005	2006
Cash and cash equivalents Short-term investments Accounts receivable, net Inventories, net Prepaid expenses and other	\$ 358,012 579,531 72,786 49,333 37,867	\$ 220,164 628,393 107,172 106,085 36,372
Total current assets Long-term investments Equipment, furniture and fixtures, net Goodwill Other intangible assets, net Other long-term assets	1,097,529 155,944 28,090 232,015 120,324 41,327	1,098,186 351,407 29,427 232,015 91,274 37,404
Total assets	\$ 1,675,229	\$ 1,839,713 ========

LIABILITIES AND STOCKHOLDERS' EQUITY

Current liabilities:

dirent frabiffets.		
Accounts payable	\$ 43,868	\$ 39,277
Accrued liabilities	76,491	79,282
Restructuring liabilities	15,492	8,914

Unfavorable lease commitments	9,011	8,512
Income taxes payable	5,785	5,981
Deferred revenue	27,817	19,637
Total current liabilities	178,464	161,603
Long-term deferred revenue	,	21,039
Long-term restructuring liabilities	54,285	26,720
Long-term unfavorable lease commitments	41,364	32,785
Other long-term obligations	1,296	1,678
Convertible notes payable	648,752	842,262
Total liabilities	939,862	1,086,087
0		
Commitments and contingencies Stockholders' equity:		
Preferred stock - par value \$0.01;		
20,000,000 shares authorized; zero		
shares issued and outstanding	_	_
Common stock - par value \$0.01;		
140,000,000 shares authorized;		
82,905,849 and 84,891,656 shares issued		
and outstanding	829	849
Additional paid-in capital		5,505,853
Deferred stock compensation	(2,286)	-
Changes in unrealized gains on	(4 672)	(400)
investments, net Translation adjustment	(4,673)	(496) (580)
Accumulated deficit	(495) (4 752 505)	(4,752,000)
Accumulated deficit	(4,732,393)	(4,732,000)
Total stockholders' equity	735,367	753,626
Total liabilities and stockholders'		
equity	\$ 1,675,229	\$ 1,839,713
	========	========

	Quarter Ende	d October 31,	Year Ended	October 31,
	2005	2006	2005	2006
Revenue: Products Services		\$ 141,469 18,483		
Total revenue	118,183	159,952	427, 257	564,056
Costs: Products Services	59,484 11,535		248,931 42,136	263,667 42,608
Total cost of goods sold	71,019	87,196	291,067	306,275
Gross profit	47,164	72,756	136,190	257,781
Operating expenses: Research and development	32,161	26,561	137,245	111,069
Selling and marketing	28,325	26,302	115,022	104,434
General and administrative Amortization of intangible	7,672	10,117	33,715	47,476
assets Restructuring	8,514	6,296	38,782	25,181
costs Goodwill	2,773	(366)	18,018	15,671
impairment	176,600	-	176,600	-

Long-lived asset impairments Provision for (recovery of) doubtful accounts, net Gain on lease settlement	45,728 (2)	6 (41) -	45,862 2,602	- (3,031) (11,648)
Total operating expenses	301,771	68,875	567,846	
Gain (loss) from operations Interest and other income (expense),	(254,607)	3,881	(431,656)	(31, 371)
net Interest expense Gain (loss) on equity	9,236 (6,794)		31, 294 (28, 413)	
investments, net Gain on extinguishment of debt	(500)	-	(9, 486)	215 7,052
Income (loss) before income taxes Provision for income taxes	(252,665)	13,473	(434, 379)	1,976
Net income (loss)			\$ (435,699)	
Basic net income (loss) per common share	\$ (3.06)	\$ 0.15	\$ (5.30)	\$ 0.01
Diluted net income (loss) per common share and dilutive potential common share			\$ (5.30)	
Weighted average basic common shares outstanding	82,689	84,657	82,170	83,840
Weighted average basic common and dilutive potential common shares outstanding			82,170	
-			======	

CIENA CORPORATION CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands) (unaudited)

		Year Ended October 31,			
		2005		2006	
Cash flows from operating activities: Net income (loss) Adjustments to reconcile net income (loss) to net cash used in operating	\$	(435,699)	\$	595	
activities: Early extinguishment of debt Amortization of premium (discount) o	n	(3,882)		(7,052)	

marketable securities	13,636	(823)
Non-cash loss from equity investments		733
Non-cash impairment of long-lived assets Depreciation and amortization of	45,862	-
leasehold improvements	33,377	16,401
Goodwill impairment	176,600	-
Stock-based compensation	9,441	14,042
Amortization of intangible assets	42,651	29,050
Provision for doubtful accounts	2,602	-
Provision for inventory excess and obsolescence	5,232	9,012
Provision for warranty and other	3,232	9,012
contractual obligations	9,738	14,522
0ther	3,218	2,028
Changes in assets and liabilities:		
Accounts receivable	(29,510)	
Inventories	(6,951)	
Prepaid expenses and other	7,420	
Accounts payable and accruals Income taxes payable	(19,633) 2,431	(59,161) 196
Deferred revenue and other	2,431	190
obligations	5,942	(2,842)
3 ************************************		
Net cash used in operating		
activities	(128,039)	(79,393)
Cook flows from investing activities.		
Cash flows from investing activities: Additions to equipment, furniture,		
fixtures and intellectual property	(11 315)	(17,760)
Proceeds from sale of equipment,	(11/010)	(21,7100)
furniture and fixtures	278	-
Restricted cash	1,986	4,552
Purchase of available for sale		
securities	(578,846)	(1,090,409)
Maturities of available for sale securities	910,505	851,084
Minority equity investments, net	4,882	948
it is a square, in the squar	., 552	
Net cash provided by (used in)		
investing activities	327,490	(251,585)
Cach flave from financing activities.		
Cash flows from financing activities: Proceeds from issuance of 0.25%		
convertible senior notes payable	_	300,000
Repurchase of 3.75% convertible notes		551,515
payable	(36,913)	(98,410)
Debt issuance costs	-	(7,990)
Purchase of call spread option	-	(28,457)
Proceeds from issuance of common stock	0.550	07.007
and warrants	9,558	27,987
Repayment of notes receivable from stockholders	48	_
0.0000240.0		
Net cash provided by (used in)		
financing activities	(27,307)	
Net (decores) insures in each and		
Net (decrease) increase in cash and cash equivalents	172,144	(127 040)
Cash and cash equivalents at beginning of	172,144	(137,848)
period	185,868	358,012
Cash and cash equivalents at end of period	\$ 358,012	
Overall and the Control of the Contr	=========	========
Supplemental disclosure of cash flow		
information Cash paid during the period for:		
Interest	\$ 25,817	\$ 21,685
	=========	
Income taxes	\$ 977	•
	=========	========

Appendix A

The adjustments management makes in analyzing Ciena's fiscal fourth quarter and fiscal years-ended 2005 and 2006 GAAP results are as follows:

-- Stock compensation costs - As of November 1, 2005, Ciena

adopted SFAS 123R. In accordance with the modified prospective application transition method, Ciena's consolidated financial statements for prior periods have not been restated to reflect, and do not include, the impact of SFAS 123R. Prior periods do include share-based compensation expense recognized in accordance with APB 25 as interpreted by FASB Interpretation (FIN) No. 44.

- -- Amortization of intangible assets a non-cash expense arising from acquisitions of intangible assets, principally developed technology, which Ciena is required to amortize over its expected useful life and which the Company feels is not reflective of its ongoing operating costs.
- -- Restructuring costs non-recurring charges incurred as the result of reducing the size of the Company's operations to align its resources with the reduced size of the telecommunications market as well as the result of targeting new segment opportunities within the overall market, which the Company feels are not reflective of its ongoing operating costs.
- Goodwill impairment non-cash expense resulting from the decline in the forecasted market demand for the Company's products.
- -- Long-lived asset impairment non-recurring charges, incurred as a result of excess equipment classified as held for sale which the Company feels are not reflective of its ongoing operating costs.
- -- Provision for (recovery of) doubtful accounts a non-recurring charge unrelated to normal operations resulting from an assessment of doubtful payment due to a customer's financial condition.
- -- Gain on lease settlement a non-recurring gain unrelated to normal operations resulting from termination of obligations under a lease for an unused facility.
- -- Contingent legal and consulting fees upon litigation settlement - included in general and administrative expenses during our third quarter of fiscal 2006 were \$5.7 million in contingent fees paid to outside counsel and advisors connected with the settlement of patent litigation with Nortel Networks.
- -- Loss (gain) on equity investments, net a non-recurring gain or loss related to changes in the value of the Company's equity investments which the Company feels is not reflective of its ongoing operating costs.
- -- Loss (gain) on extinguishment of debt a non-recurring gain or loss related to the early extinguishment of outstanding debt.
- -- Income tax affect on adjusted net income (loss) the income tax charge or benefit on the adjusted net income or loss, which is a necessary adjustment for consistency. The Company currently has a full valuation allowance for GAAP reporting purposes and accordingly does not recognize a tax benefit for losses generated.

About Ciena

Ciena Corporation is the network specialist, focused on expanding the possibilities for its customers' networks while reducing their cost of ownership. The Company's systems, software and services target and cure specific network pain points so that telcos, cable operators, governments and enterprises can best exploit the new applications that are driving their businesses forward. For more information, visit www.ciena.com.

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pr@ciena.com

or

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