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 9, 2021

Ciena Corporation

(Exact name of registrant as specified in its charter)

Commission File Number: 001-36250

Delaware (State or other jurisdiction of incorporation) 7035 Ridge Road, Hanover, MD (Address of principal executive offices) 23-2725311 (IRS Employer Identification No.) 21076 (Zip Code)

Registrant's telephone number, including area code: (410) 694-5700

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

| Securities registered pursuant to Section 12(b) of the Act: | | |
|---|-------------------|---|
| Title of each class | Trading Symbol(s) | Name of each exchange on which registered |
| Common stock \$0.01 par value | CIEN | New York Stock Exchange |

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

ITEM 2.02 - RESULTS OF OPERATIONS AND FINANCIAL CONDITION

On December 9, 2021, Ciena Corporation ("Ciena") issued a press release announcing its financial results for its fourth fiscal quarter ended October 30, 2021. The text of the press release is furnished as Exhibit 99.1 to this Report. As discussed in this press release, Ciena will be hosting an investor call to discuss its results of operations for its fourth fiscal quarter ended October 30, 2021.

In conjunction with the issuance of this press release, Ciena posted to the quarterly results page of the Investors section of www.ciena.com an accompanying investor presentation. The investor presentation is furnished as Exhibit 99.2 to this Report.

The information in Exhibits 99.1 and 99.2, as well as Item 2.02 of 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 Securities Act of 1933, as amended. Investors are encouraged to review the "Investors" page of our website at www.ciena.com because, as with the other disclosure channels that we use, from time to time we may post material information exclusively on that site.

ITEM 8.01 - OTHER EVENTS

On December 9, 2021, Ciena announced that its Board of Directors has authorized a program to repurchase up to \$1.0 billion of the company's common stock. This program replaces Ciena's previously authorized share repurchase program. Ciena may purchase shares at management's discretion in the open market, in accelerated share repurchase arrangements, in privately negotiated transactions, in transactions structured through investment banking institutions, or a combination of the foregoing. Ciena may also, from time to time, enter into Rule 10b5-1 plans to facilitate repurchases of its shares under this authorization. The amount and timing of repurchases are subject to a variety of factors including liquidity, cash flow, stock price, and general business and market conditions. The program may be modified, suspended or discontinued at any time.

ITEM 9.01 - FINANCIAL STATEMENTS AND EXHIBITS

| <u>Exhibit Number</u> | Description of Document |
|-----------------------|--|
| Exhibit 99.1 | Text of Press Release dated December 9, 2021, issued by Ciena Corporation, reporting its results of operations for its fourth fiscal guarter and fiscal year ended October 30, 2021. |
| Exhibit 99.2 | Investor Presentation for Ciena Corporation's fourth fiscal quarter and fiscal year ended October 30, 2021. |
| Exhibit 104 | Cover Page Interactive Data File (embedded within the Inline XBRL document). |

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.

By:

Ciena Corporation

Date: December 9, 2021

/s/ David M. Rothenstein David M. Rothenstein Senior Vice President, General Counsel and Secretary

Ciena Reports Fiscal Fourth Quarter 2021 and Year-End Financial Results

Board Authorizes Share Repurchase up to \$1.0 Billion

HANOVER, Md. - December 9, 2021 - Ciena[®] Corporation (NYSE: CIEN), a networking systems, services and software company, today announced unaudited financial results for its fiscal fourth quarter and year ended October 30, 2021.

- Q4 Revenue: \$1.04 billion, increasing 25.7% year over year
- Q4 Net Income per Share: \$0.66 GAAP; \$0.85 adjusted (non-GAAP), increasing 41.7% year over year
- Share Repurchases: Repurchased approximately 0.5 million shares of common stock for an aggregate price of \$26.7 million during the fourth quarter

"Our strong financial results exceeded our expectations in the fourth quarter and for the full fiscal year, driven by continued execution of our strategy and our demonstrated ability to manage supply chain challenges," said Gary Smith, President and CEO, Ciena. "Looking ahead, we intend to continue driving growth in our business by leveraging our market leadership and investing to capitalize on robust demand dynamics. In addition, our strong balance sheet and cash generation expectations allow us to increase return of capital to our shareholders."

For fiscal fourth quarter 2021, Ciena reported revenue of \$1.04 billion, as compared to \$828.5 million for fiscal fourth quarter 2020. For fiscal year 2021, Ciena reported revenue of \$3.62 billion, as compared to \$3.53 billion for fiscal year 2020.

Ciena's GAAP net income for fiscal fourth quarter 2021 was \$103.5 million, or \$0.66 per diluted common share, which compares to GAAP net income of \$65.0 million, or \$0.42 per diluted common share, for fiscal fourth quarter 2020. For fiscal year 2021, Ciena's GAAP net income was \$500.2 million, or \$3.19 per diluted common share, as compared to GAAP net income of \$361.3 million, or \$2.32 per diluted common share, for fiscal year 2020.

Ciena's adjusted (non-GAAP) net income for fiscal fourth quarter 2021 was \$132.7 million, or \$0.85 per diluted common share, which compares to adjusted (non-GAAP) net income of \$94.5 million, or \$0.60 per diluted common share, for fiscal fourth quarter 2020. For fiscal year 2021, Ciena's adjusted (non-GAAP) net income was \$456.5 million, or \$2.91 per diluted common share, as compared to adjusted (non-GAAP) net income of \$460.1 million, or \$2.95 per diluted common share, for fiscal year 2020.

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Share Repurchase Program

On December 1, 2021, Ciena's Board of Directors authorized the repurchase of up to \$1.0 billion of the Company's stock, replacing the previous share repurchase authorization. In connection with this new

authorization, the company intends to enter into an accelerated share repurchase (ASR) arrangement under which it will repurchase \$250 million of its common stock. The final settlement of the ASR is expected to be completed in the second quarter of fiscal 2022.

Performance Summary for the Fiscal Fourth Quarter and the Year Ended October 30, 2021

The tables below (in millions, except percentage data) provide comparisons of certain quarterly and annual results to the prior year. Appendices A and B set forth reconciliations between the GAAP and adjusted (non-GAAP) measures contained in this release.

| | | GAAP Results (unaudited) | | | | | | | | | | |
|-------------------|----|--------------------------|----|-------------|--------|------|-------------|--------|-------------|--------|--|--|
| | | Quarter Ended | | | Period | | Yea | Period | | | | |
| | Od | tober 30, | | October 31, | Change | | October 30, | | October 31, | Change | | |
| | | 2021 | | 2020 | Y-T-Y* | | 2021 | | 2020 | Y-T-Y* | | |
| Revenue | \$ | 1,041.5 | \$ | 828.5 | 25.7 % | 5 \$ | 3,620.7 | \$ | 3,532.2 | 2.5 % | | |
| Gross margin | | 45.8 % | | 48.8 % | (3.0)% | 5 | 47.6 % | | 46.8 % | 0.8 % | | |
| Operating expense | \$ | 339.7 | \$ | 310.9 | 9.3 % | \$ | 1,226.6 | \$ | 1,165.9 | 5.2 % | | |
| Operating margin | | 13.2 % | | 11.3 % | 1.9 % | 5 | 13.7 % | | 13.8 % | (0.1)% | | |

| | | Non-GAAP Results (unaudited) | | | | | | | | | |
|------------------------|----|------------------------------|---------|---------------------|------------------|----|---------------------|------|---------------------|------------------|--|
| | | Quarte | r Endeo | d | Period | | Year | Ende | d | Period | |
| | C | october 30, 2021 | | October 31, 2020 | Change Y-T-Y* | | October 30, 2021 | | October 31, 2020 | Change Y-T-Y* | |
| | | | | | | | | | | | |
| Revenue | \$ | 1,041.5 | \$ | 828.5 | 25.7 % | \$ | 3,620.7 | \$ | 3,532.2 | 2.5 % | |
| Adj. gross margin | | 46.3 % | | 49.5 % | (3.2)% | | 47.9 % | | 47.4 % | 0.5 % | |
| Adj. operating expense | \$ | 307.1 | \$ | 278.9 | 10.1 % | \$ | 1,129.3 | \$ | 1,055.3 | 7.0 % | |
| Adj. operating margin | | 16.8 % | | 15.8 % | 1.0 % | | 16.8 % | | 17.6 % | (0.8)% | |
| Adj. EBITDA | \$ | 199.2 | \$ | 154.5 | 28.9 % | \$ | 702.8 | \$ | 713.9 | (1.6)% | |

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* Denotes % change, or in the case of margin, absolute change

| | | | Revenue by Segn | nent (unaudited) | | | | |
|--|-----------------------------------|---------|-----------------|------------------|-------|--|--|--|
| | Quarter Ended | | | | | | | |
| | October 30, 2021 October 31, 2020 | | | | | | | |
| | | Revenue | %** | Revenue | % ** | | | |
| Networking Platforms | | | | | | | | |
| Converged Packet Optical | \$ | 754.6 | 72.5 | \$ 579.3 | 69.9 | | | |
| Routing and Switching ⁽¹⁾ | | 74.2 | 7.1 | 56.0 | 6.8 | | | |
| Total Networking Platforms | | 828.8 | 79.6 | 635.3 | 76.7 | | | |
| Platform Software and Services | | 66.1 | 6.3 | 54.5 | 6.6 | | | |
| Blue Planet Automation Software and Services | | 19.8 | 1.9 | 20.9 | 2.5 | | | |
| Global Services | | | | | | | | |
| Maintenance Support and Training | | 71.3 | 6.9 | 67.0 | 8.1 | | | |
| Installation and Deployment | | 47.2 | 4.5 | 43.0 | 5.2 | | | |
| Consulting and Network Design | | 8.3 | 0.8 | 7.8 | 0.9 | | | |
| Total Global Services | | 126.8 | 12.2 | 117.8 | 14.2 | | | |
| Total | \$ | 1,041.5 | 100.0 | \$ 828.5 | 100.0 | | | |

| | Revenue by Segment (unaudited) Year Ended | | | | | | | | |
|--|--|---------|-------|---------|---------|-------|--|--|--|
| | | | | | | | | | |
| | October 30, 2021 October 31, 2020 | | | | | | | | |
| | | Revenue | %** | Revenue | | % ** | | | |
| Networking Platforms | | | | | | | | | |
| Converged Packet Optical | \$ | 2,553.5 | 70.5 | \$ | 2,547.6 | 72.1 | | | |
| Routing and Switching ⁽¹⁾ | | 271.8 | 7.5 | | 267.5 | 7.6 | | | |
| Total Networking Platforms | | 2,825.3 | 78.0 | | 2,815.1 | 79.7 | | | |
| Platform Software and Services | | 229.6 | 6.4 | | 197.8 | 5.6 | | | |
| Blue Planet Automation Software and Services | | 77.2 | 2.1 | | 62.6 | 1.8 | | | |
| Global Services | | | | | | | | | |
| Maintenance Support and Training | | 283.4 | 7.8 | | 269.4 | 7.6 | | | |
| Installation and Deployment | | 171.5 | 4.7 | | 152.0 | 4.3 | | | |
| Consulting and Network Design | | 33.7 | 1.0 | | 35.3 | 1.0 | | | |
| Total Global Services | | 488.6 | 13.5 | | 456.7 | 12.9 | | | |
| Total | \$ | 3,620.7 | 100.0 | \$ | 3,532.2 | 100.0 | | | |

** Denotes % of total revenue
(1) Ciena renamed its former "Packet Networking" product line "Routing and Switching" effective as of the beginning of fiscal 2021. This change, affecting only the presentation of such information, was made on a prospective basis and does not impact comparability of previous financial results or the composition of this product category.

Additional Performance Metrics for Fiscal Fourth Quarter and Year Ended October 30, 2021

| | | F | Revenue by Geographic | Region (u | inaudited) | | | |
|--------------------------------|--|-------------|-----------------------|------------------|---------------|-------|--|--|
| | | | Quarter E | nded | | | | |
| | | October 30, | 2021 | | October 31, 2 | 020 | | |
| | | Revenue | % ** | Revenue | | % ** | | |
| Americas | \$ | 748.7 | 71.9 | \$ | 531.6 | 64.2 | | |
| Europe, Middle East and Africa | | 170.8 | 16.4 | | 157.6 | 19.0 | | |
| Asia Pacific | | 122.0 | 11.7 | | 139.3 | 16.8 | | |
| Total | \$ | 1,041.5 | 100.0 | \$ | 828.5 | 100.0 | | |
| | Revenue by Geographic Region (unaudited) | | | | | | | |
| | | | Year End | led | | | | |
| | | October 30, | 2021 | October 31, 2020 | | | | |
| | H | Revenue | % ** | | Revenue | % ** | | |
| Americas | \$ | 2,525.6 | 69.8 | \$ | 2,469.3 | 69.9 | | |
| Europe, Middle East and Africa | | 670.5 | 18.5 | | 591.5 | 16.8 | | |
| Asia Pacific | | 424.6 | 11.7 | | 471.4 | 13.3 | | |
| | | | | | 3,532.2 | | | |

** Denotes % of total revenue

One 10%-plus customer represented a total of 12.9% and 12.4% of revenue for the fiscal fourth quarter and fiscal year 2021, respectively

Cash and investments totaled \$1.7 billion

Cash flow from operations totaled \$254.9 million and \$541.6 million for the fiscal fourth quarter and fiscal year 2021, respectively

- Average days' sales outstanding (DSOs) were 85 and 98 for the fiscal fourth quarter and fiscal year 2021, respectively Accounts receivable, net balance was \$885.0 million
- Unbilled contract asset balance, net was \$101.4 million
- . Inventories totaled \$374.3 million, including:
 - - Raw materials: \$175.4 million Work in process: \$10.3 million
 - Finished goods: \$180.8 million
 - Deferred cost of sales: \$44.7 million
- Reserve for excess and obsolescence: \$(36.9) million
 Product inventory turns were 5.0 and 4.1 for the fiscal fourth quarter and fiscal year 2021, respectively
- Headcount totaled 7,241

Supplemental Materials and Live Web Broadcast of Unaudited Fiscal Fourth Quarter and Year-End 2021 Results

Today, Thursday, December 9, 2021, in conjunction with this announcement, Ciena posted to the Quarterly Results page of the Investor Relations section of its website certain related supporting materials for its unaudited fiscal fourth quarter and fiscal year 2021 results.

Ciena's management will also host a discussion today with investors and financial analysts that will include the Company's outlook. The live audio web broadcast beginning at 8:30 a.m. Eastern will be accessible via www.ciena.com. An archived replay of the live broadcast will be available shortly following its conclusion on the Investor Relations page of Ciena's website.

Notes to Investors

Forward-Looking Statements. You are encouraged to review the Investors section of our website, where we routinely post press releases, SEC filings, recent news, financial results, supplemental financial information, and other announcements. From time to time we exclusively post material information to this website along with other disclosure channels that we use. This press release contains certain forward-looking statements that involve risks and uncertainties. These statements are based on current expectations, forecasts, assumptions and other information available to the Company as of the date hereof. 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: "Our strong financial results exceeded our expectations in the fourth quarter and for the full fiscal year, driven by continued execution of our strategy and our demonstrated ability to manage supply chain challenges"; "Looking ahead, we intend to continue driving growth in our business by leveraging our market leadership and investing to capitalize on robust demand dynamics"; In addition, our strong balance sheet and cash generation expectations allow us to increase return of capital to our shareholders."

Ciena's actual results, performance or events may differ materially from these forward-looking statements made or implied due to a number of risks and uncertainties relating to Ciena's business, including: the effect of broader economic and market conditions on our customers and their business; our ability to execute our business and growth strategies; the duration and severity of the COVID-19 pandemic and the impact of countermeasures taken to mitigate its spread; the impact of COVID-19 on macroeconomic conditions, the level of economic activity, demand for our technology solutions, short- and long-term customers or end user needs and changes thereto, continuity of supply chain, logistics and business operations, liquidity and financial results; changes in network spending or network strategy by customers; seasonality and the period; supply chain disruptions and the level of success relating to such sales; the level of competitive pressure we encounter; the product, customer and geographic mix of sales within the period; supply chain disruptions and the level of success relating to efforts to optimize Ciena's operations; changes in foreign currency exchange rates affecting revenue and operating expense; factors beyond our control such as natural disasters, acts of war or terrorism, and public health emergencies, including the COVID-19 pandemic; the imposition of tariffs, duties or efforts to withdraw from or materially modify international trade agreements; changes in estimates of prospective income tax rates and any adjustments to Ciena's provisional estimates whether related to further guidance, analysis or otherwise, and the other risk factors disclosed in Ciena's periodic reports filed with the SEC on September 8, 2021 and its Annual Report on Form 10-K to be filed with the SEC. Ciena assumes no obligation to update any forward-looking information included in this press

Non-GAAP Presentation of Quarterly and Annual Results. This release includes non-GAAP measures of Ciena's gross profit, operating expense, income from operations, earnings before interest, tax, depreciation and amortization (EBITDA), Adjusted EBITDA, and measures of net income and net income per share. In evaluating the operating performance of Ciena's business, management excludes certain charges and credits that are required by GAAP. These items 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 Ciena's control. Management believes that the non-GAAP measures below provide management and investors useful information and meaningful insight to the operating performance of the business. The presentation of these non-GAAP financial measures should be considered in addition to Ciena's GAAP. Ciena's non-GAAP measures used by other companies and should only be used to evaluate Ciena's results of operations in conjunction with our corresponding GAAP results. To the extent not previously disclosed in a prior Ciena financial results press release for the relevant period,

Appendix A and B to this press release set forth a complete GAAP to non-GAAP reconciliation of the non-GAAP measures contained in this release.

About Ciena. Ciena (NYSE: CIEN) is a networking systems, services and software company. We provide solutions that help our clients create the Adaptive NetworkTM in response to the constantly changing demands of their users. By delivering best-in-class networking technology through high-touch consultative relationships, we build the world's most agile networks with automation, openness and scale. For updates on Ciena, follow us on Twitter @Ciena, LinkedIn, the Ciena Insights blog, or visit www.ciena.com.

CIENA CORPORATION CONDENSED UNAUDITED CONSOLIDATED STATEMENTS OF OPERATIONS (in thousands, except per share data)

| | Qua | Quarter Ended | | | Year Ended | | | |
|---|-------------|---------------|--------------|----------|-------------|--|--|--|
| | October 30, | October 31, | October 30, | | October 31, | | | |
| | 2021 | 2020 | 2021 | | 2020 | | | |
| Revenue: | | | | | | | | |
| Products | \$ 860,925 | | \$ 2,932,602 | | 2,914,790 | | | |
| Services | 180,561 | 159,819 | 688,082 | ! | 617,367 | | | |
| Total revenue | 1,041,486 | 828,480 | 3,620,684 | <u> </u> | 3,532,157 | | | |
| Cost of goods sold: | | | | | | | | |
| Products | 470,334 | 343,413 | 1,545,269 | 1 | 1,573,791 | | | |
| Services | 94,033 | 80,718 | 353,436 | i | 305,475 | | | |
| Total cost of goods sold | 564,367 | 424,131 | 1,898,705 | 5 | 1,879,266 | | | |
| Gross profit | 477,119 | 404,349 | 1,721,979 | ī — | 1,652,891 | | | |
| Operating expenses: | | | | | | | | |
| Research and development | 147,454 | 137,237 | 536,666 | 5 | 529,888 | | | |
| Selling and marketing | 129,625 | 113,382 | 452,214 | ŧ. | 416,425 | | | |
| General and administrative | 49,383 | 43,415 | 181,874 | ł . | 169,548 | | | |
| Significant asset impairments and restructuring costs | 5,700 | 7,854 | 29,565 | i | 22,652 | | | |
| Amortization of intangible assets | 5,836 | 5,851 | 23,732 | ! | 23,383 | | | |
| Acquisition and integration costs | 1,712 | 3,127 | 2,572 | ! | 4,031 | | | |
| Total operating expenses | 339,710 | 310,866 | 1,226,623 | | 1,165,927 | | | |
| Income from operations | 137,409 | 93,483 | 495,356 | 5 | 486,964 | | | |
| Interest and other income (loss), net | (168 |) (249) | (1,768 |) | 964 | | | |
| Interest expense | (7,916 |) (7,395) | (30,837 |) | (31,321) | | | |
| Loss on extinguishment and modification of debt | | | | | (646) | | | |
| Income before income taxes | 129,325 | 85,839 | 462,751 | | 455,961 | | | |
| Provision (benefit) for income taxes | 25,826 | 20,798 | (37,445 |) | 94,670 | | | |
| Net income | \$ 103,499 | \$ 65,041 | \$ 500,196 | 5 \$ | 361,291 | | | |
| | | | | | | | | |
| Net Income per Common Share | | | | | | | | |
| Basic net income per common share | \$ 0.67 | \$ 0.42 | \$ 3.22 | \$ | 2.34 | | | |
| Diluted net income per potential common share | \$ 0.66 | \$ 0.42 | \$ 3.19 | \$ | 2.32 | | | |
| Weighted average basic common shares outstanding | 155,232 | 154,706 | 155,279 |) | 154,287 | | | |
| Weighted average diluted potential common shares outstanding ⁽¹⁾ | 156,689 | | 156,743 | | 155,955 | | | |
| ····o······o····o····················· | | | | | / | | | |

(1) Weighted average diluted potential common shares outstanding used in calculating GAAP diluted net income per potential common share for the fourth quarter of fiscal 2021 includes 1.5 million shares underlying certain stock option and stock unit awards. Weighted average diluted potential common shares outstanding used in calculating GAAP diluted net income per potential common share for fiscal 2021 includes 1.5 million shares underlying certain stock option and stock unit awards.

Weighted average diluted potential common shares outstanding used in calculating GAAP diluted net income per potential common share for the fourth quarter of fiscal 2020 includes 1.9 million shares underlying certain stock option and stock unit awards. Weighted average diluted potential common shares outstanding used in calculating GAAP diluted net income per potential common share for fiscal 2020 includes 1.7 million shares underlying certain stock option and stock unit awards.

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

| (in tiousands, except share data) | | | | | |
|--|----|---------------------|---------------------|-------------|--|
| | | October 30, 2021 | October 31, 2020 | | |
| ASSETS | | 2021 | | 2020 | |
| ASSE1S Current assets: | | | | | |
| Cash and cash equivalents | \$ | 1,422,546 | S | 1,088,624 | |
| Cash and cash equivalents Short-term investments | | 181,483 | φ | 150,667 | |
| Accounts receivable, net | | 884,958 | | 719,405 | |
| Inventories | | 374,265 | | 344,379 | |
| Prepaid expenses and other | | 325,654 | | 308,084 | |
| Total current assets | | 3,188,906 | | 2,611,159 | |
| Long-term investments | | 70,038 | | 82,226 | |
| Equipment, building, furniture and fixtures, net | | 284,968 | | 272,377 | |
| Departing lease right-of-use assets | | 44,285 | | 57,026 | |
| Goodwill | | 311,645 | | 310,847 | |
| Other intangible assets, net | | 65,314 | | 96,647 | |
| Deferred tax asset, net | | 800,180 | | 647,805 | |
| Other long-term assets | | 99,891 | | 102,830 | |
| Total assets | \$ | 4,865,227 | \$ | 4,180,917 | |
| LIABILITIES AND STOCKHOLDERS' EQUITY | | | | | |
| Current liabilities: | | | | | |
| Accounts payable | \$ | 356,176 | \$ | 291,904 | |
| Accrued liabilities and other short-term obligations | | 409,285 | | 334,132 | |
| Deferred revenue | | 118,007 | | 108,700 | |
| Operating lease liabilities | | 18,632 | | 19,035 | |
| Current portion of long-term debt | | 6,930 | | 6,930 | |
| Total current liabilities | | 909,030 | | 760,701 | |
| Long-term deferred revenue | | 57,457 | | 49,663 | |
| Other long-term obligations | | 166,803 | | 123,185 | |
| Long-term operating lease liabilities | | 41,564 | | 61,415 | |
| Long-term debt, net | | 670,355 | | 676,356 | |
| Total liabilities | \$ | 1,845,209 | \$ | 1,671,320 | |
| Stockholders' equity: | | | | | |
| Preferred stock — par value \$0.01; 20,000,000 shares authorized; zero shares issued and outstanding | | | | | |
| Common stock — par value \$0.01; 20,000,000 shares authorized; 154,858,981 and 154,563,005 shares issued and outstanding | | 1,549 | | 1,546 | |
| Additional paid-in capital | | 6,803,162 | | 6,826,531 | |
| Accumulated other comprehensive income (loss) | | 439 | | (35,358) | |
| Accumulated deficit | | (3,785,132) | | (4,283,122) | |
| Total stockholders' equity | | 3,020,018 | | 2,509,597 | |
| | ¢ | 4,865,227 | \$ | 4,180,917 | |
| Total liabilities and stockholders' equity | | 4,003,227 | Ŷ | 4,100,517 | |

CIENA CORPORATION CONDENSED UNAUDITED CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands)

| | | Year Ended | | |
|--|----------|-----------------|---------|-----------------|
| | 00 | ctober 30, 2021 | 0 | ctober 31, 2020 |
| Cash flows provided by operating activities: | | | | |
| Net income | \$ | 500,196 | \$ | 361,29 |
| Adjustments to reconcile net income to net cash provided by operating activities: | | 06 000 | | 02.01 |
| Depreciation of equipment, building, furniture and fixtures, and amortization of leasehold improvements | | 96,233 | | 93,90 |
| Share-based compensation costs | | 84,336 | | 67,75 |
| Amortization of intangible assets | | 36,033 | | 38,61 |
| Deferred taxes | | (156,469) | | 64,33 |
| Provision for inventory excess and obsolescence | | 17,850 | | 24,70 |
| Provision for warranty | | 17,093 | | 22,41 |
| Other Control of the second se | | 14,525 | | 20,48 |
| Changes in assets and liabilities: | | (1 | | (1= 00 |
| Accounts receivable | | (174,377) | | (17,29 |
| Inventories | | (47,567) | | (25,04 |
| Prepaid expenses and other | | (19,691) | | (38,99 |
| Operating lease right-of-use assets | | 16,632 | | 16,78 |
| Accounts payable, accruals and other obligations | | 162,134 | | (117,93 |
| Deferred revenue | | 16,822 | | 2,51 |
| Short and long-term operating lease liabilities | | (22,104) | | (19,89 |
| Net cash provided by operating activities | | 541,646 | | 493,65 |
| Cash flows used in investing activities: | | | | |
| Payments for equipment, furniture, fixtures and intellectual property | | (79,550) | | (82,66 |
| Purchase of available for sale securities | | (172,778) | | (223,19 |
| Proceeds from maturities of available for sale securities | | 152,253 | | 110,39 |
| Settlement of foreign currency forward contracts, net | | 4,680 | | 3,53 |
| Proceeds from sale of equity investment | | 4,678 | | - |
| Acquisition of businesses, net of cash acquired | | | | (28,30 |
| Net cash used in investing activities | | (90,717) | | (220,24 |
| Cash flows used in financing activities: | | | | |
| Payment of long-term debt | | (6,929) | | (5,19 |
| Payment of debt issuance costs | | _ | | (38 |
| Payment of finance lease obligations | | (3,004) | | (2,70 |
| Shares repurchased for tax withholdings on vesting of stock unit awards | | (44,071) | | (32,47 |
| Repurchases of common stock - repurchase program | | (91,288) | | (74,53 |
| Proceeds from issuance of common stock | | 28,457 | | 28,06 |
| Net cash used in financing activities | | (116,835) | | (87,22 |
| Effect of exchange rate changes on cash, cash equivalents and restricted cash | | (198) | | (1,64 |
| Net increase in cash, cash equivalents and restricted cash | | 333,896 | | 184,54 |
| Cash, cash equivalents and restricted cash at beginning of fiscal year | | 1,088,708 | | 904,16 |
| Cash, cash equivalents and restricted cash at end of fiscal year | \$ | 1,422,604 | \$ | 1,088,70 |
| Supplemental disclosure of cash flow information | | | | |
| Cash paid during the fiscal year for interest | \$ | 29,864 | \$ | 32,83 |
| Cash paid during the fiscal year for income taxes, net | \$ | 73,127 | \$ | 53,07 |
| Operating lease payments | \$ | 24.058 | \$ | 22,08 |
| Von-cash investing and financing activities | 5 | 24,030 | φ | 22,00 |
| Purchase of equipment in accounts payable | \$ | 10,138 | \$ | 7,85 |
| Repurchase of common stock in accrued liabilities from repurchase program | э \$ | 800 | э \$ | /,03 |
| Operating lease right-of-use assets subject to lease liability | \$ \$ | 4,356 | ծ \$ | - 24,16 |
| | | 4,350 | | 24,16 |
| Unrealized gain on equity investment | \$ | — | \$ | |

APPENDIX A - Reconciliation of Adjusted (Non-GAAP) Measurements (unaudited)

| | | Quarter Ended | | | | Year Ended | | | |
|---|----------|---------------|----|---------------|----|----------------|----|-----------------|--|
| | Oct | ober 30, 2021 | | ober 31, 2020 | Oc | tober 30, 2021 | | ctober 31, 2020 | |
| Gross Profit Reconciliation (GAAP/non-GAAP) | | | | | | | | | |
| GAAP gross profit | \$ | 477,119 | \$ | 404,349 | \$ | 1,721,979 | \$ | 1,652,891 | |
| Share-based compensation-products | | 920 | | 724 | | 3,408 | | 3,182 | |
| Share-based compensation-services | | 1,240 | | 968 | | 5,181 | | 3,853 | |
| Canadian Emergency Wage Subsidy-products | | — | | — | | (4,283) | | — | |
| Canadian Emergency Wage Subsidy-services | | _ | | _ | | (2,667) | | _ | |
| Amortization of intangible assets | | 2,856 | | 3,732 | | 12,301 | | 15,235 | |
| Total adjustments related to gross profit | | 5,016 | | 5,424 | | 13,940 | | 22,270 | |
| Adjusted (non-GAAP) gross profit | \$ | 482,135 | \$ | 409,773 | \$ | 1,735,919 | \$ | 1,675,161 | |
| Adjusted (non-GAAP) gross profit percentage | | 46.3 % | | 49.5 % | | 47.9 % | | 47.4 % | |
| Operating Europea Deconciliation (CAAD/non-CAAD) | | | | | | | | | |
| Operating Expense Reconciliation (GAAP/non-GAAP) GAAP operating expense | ¢ | 339,710 | ¢ | 310,866 | \$ | 1,226,623 | \$ | 1,165,927 | |
| | <u>ə</u> | | \$ | | ð | | 3 | | |
| Share-based compensation-research and development | | 5,684 | | 4,030 | | 21,863 | | 16,987 | |
| Share-based compensation-sales and marketing | | 6,192 | | 5,137 | | 25,152 | | 20,194 | |
| Share-based compensation-general and administrative | | 7,466 | | 5,982 | | 28,804 | | 23,424 | |
| Canadian Emergency Wage Subsidy-research and development | | — | | — | | (29,519) | | _ | |
| Canadian Emergency Wage Subsidy-sales and marketing | | - | | - | | (2,604) | | - | |
| Canadian Emergency Wage Subsidy-general and administrative | | | | | | (2,207) | | _ | |
| Significant asset impairments and restructuring costs | | 5,700 | | 7,854 | | 29,565 | | 22,652 | |
| Amortization of intangible assets | | 5,836 | | 5,851 | | 23,732 | | 23,383 | |
| Acquisition and integration costs | | 1,712 | | 3,127 | | 2,572 | | 4,031 | |
| Total adjustments related to operating expense | \$ | 32,590 | \$ | 31,981 | \$ | 97,358 | \$ | 110,671 | |
| Adjusted (non-GAAP) operating expense | \$ | 307,120 | \$ | 278,885 | \$ | 1,129,265 | \$ | 1,055,256 | |
| Income from Operations Reconciliation (GAAP/non-GAAP) | | | | | | | | | |
| GAAP income from operations | \$ | 137,409 | \$ | 93,483 | \$ | 495,356 | \$ | 486,964 | |
| Total adjustments related to gross profit | <u> </u> | 5,016 | Ψ | 5,424 | Ψ | 13,940 | Ŷ | 22,270 | |
| Total adjustments related to operating expense | | 32,590 | | 31,981 | | 97,358 | | 110.671 | |
| Total adjustments related to operating expense | | 37,606 | | 37,405 | | 111,298 | | 132,941 | |
| | \$ | 175,015 | \$ | 130,888 | \$ | 606,654 | \$ | 619,905 | |
| Adjusted (non-GAAP) income from operations | ð | | \$ | | э | | \$ | | |
| Adjusted (non-GAAP) operating margin percentage | | 16.8 % | | 15.8 % | | 16.8 % | | 17.6 % | |
| Net Income Reconciliation (GAAP/non-GAAP) | | | | | | | | | |
| GAAP net income | \$ | 103,499 | \$ | 65,041 | \$ | 500,196 | \$ | 361,291 | |
| Exclude GAAP provision (benefit) for income taxes | | 25,826 | | 20,798 | | (37,445) | | 94,670 | |
| Income before income taxes | | 129,325 | | 85,839 | | 462,751 | | 455,961 | |
| Total adjustments related to income from operations | | 37,606 | | 37,405 | | 111,298 | | 132,941 | |
| Loss on extinguishment and modification of debt | | - | | _ | | - | | 646 | |
| Unrealized (gain) loss on equity investment | | _ | | (2,681) | | 165 | | (2,681) | |
| Adjusted income before income taxes | | 166,931 | | 120,563 | | 574,214 | | 586,867 | |
| Non-GAAP tax provision on adjusted income before income taxes | | 34,221 | | 26,042 | | 117,714 | | 126,763 | |
| Adjusted (non-GAAP) net income | \$ | 132,710 | \$ | 94,521 | \$ | 456,500 | \$ | 460,104 | |
| | | 155 000 | | 154.700 | | 155.270 | | 154.005 | |
| Weighted average basic common shares outstanding | | 155,232 | | 154,706 | | 155,279 | | 154,287 | |
| Weighted average diluted potential common shares outstanding ⁽¹⁾ | | 156,689 | | 156,563 | | 156,743 | | 155,955 | |
| Net Income per Common Share | | | | | | | | | |
| GAAP diluted net income per potential common share | \$ | 0.66 | \$ | 0.42 | \$ | 3.19 | \$ | 2.32 | |
| Adjusted (non-GAAP) diluted net income per potential common share | \$ | 0.85 | \$ | 0.60 | \$ | 2.91 | \$ | 2.95 | |

(1) Weighted average diluted potential common shares outstanding used in calculating Adjusted (non-GAAP) diluted net income per potential common share for the fourth quarter of fiscal 2021 includes 1.5 million shares underlying certain stock option and stock unit awards.

Weighted average diluted potential common shares outstanding used in calculating Adjusted (non-GAAP) diluted net income per potential common share for fiscal 2021 includes 1.5 million shares underlying certain stock option and stock unit awards.

Weighted average diluted potential common shares outstanding used in calculating Adjusted (non-GAAP) diluted net income per potential common share for the fourth quarter of fiscal 2020 includes 1.9 million shares underlying certain stock option and stock unit awards.

Weighted average diluted potential common shares outstanding used in calculating Adjusted (non-GAAP) diluted net income per potential common share for fiscal 2020 includes 1.7 million shares underlying certain stock option and stock unit awards.

 $\label{eq:appendix} \textbf{APPENDIX B} \textbf{-} \textbf{Calculation of EBITDA and Adjusted EBITDA (unaudited)}$

| | Quarter Ended | | | | | Year Ended | | | |
|---|--------------------|---------|------------------|---------|------------------|------------|------------------|---------|--|
| | October 30, 2021 O | | October 31, 2020 | | October 30, 2021 | | October 31, 2020 | | |
| Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA) | - | | | | - | | | | |
| Net income (GAAP) | \$ | 103,499 | \$ | 65,041 | \$ | 500,196 | \$ | 361,291 | |
| Add: Interest expense | | 7,916 | | 7,395 | | 30,837 | | 31,321 | |
| Less: Interest and other income (loss), net | | (168) | | (249) | | (1,768) | | 964 | |
| Add: Loss on extinguishment and modification of debt | | — | | — | | — | | (646) | |
| Add: Provision (benefit) for income taxes | | 25,826 | | 20,798 | | (37,445) | | 94,670 | |
| Add: Depreciation of equipment, building, furniture and fixtures, and amortization of leasehold improvements | | 24,315 | | 23,538 | | 96,233 | | 93,908 | |
| Add: Amortization of intangible assets | | 8,692 | | 9,584 | | 36,033 | | 38,619 | |
| EBITDA | \$ | 170,416 | \$ | 126,605 | \$ | 627,622 | \$ | 619,491 | |
| Less: Canadian Emergency Wage Subsidy | | _ | | _ | _ | 41,280 | | _ | |
| Add: Share-based compensation cost | | 21,366 | | 16,920 | | 84,336 | | 67,758 | |
| Add: Significant asset impairments and restructuring costs | | 5,700 | | 7,854 | | 29,565 | | 22,652 | |
| Add: Acquisition and integration costs | | 1,712 | | 3,127 | | 2,572 | | 4,031 | |
| Adjusted EBITDA | \$ | 199,194 | \$ | 154,506 | \$ | 702,815 | \$ | 713,932 | |

* * *

The adjusted (non-GAAP) measures above and their reconciliation to Ciena's GAAP results for the periods presented reflect adjustments relating to the following items:

Share-based compensation - a non-cash expense incurred in accordance with share-based compensation accounting guidance.

- · Canadian Emergency Wage Subsidy a program introduced by the Government of Canada to offset a portion of employee wages for a limited period in response to COVID-19 outbreak.
- Significant asset impairments and restructuring costs costs incurred as a result of restructuring activities taken to align resources with perceived market opportunities and the redesign of business processes.
- Amortization of intangible assets a non-cash expense arising from the acquisition of intangible assets, principally developed technologies and customer-related intangibles, that Ciena is required to amortize
 over its expected useful life.
- Acquisition and integration costs includes expenses for financial, legal and accounting advisors, severance and other employee-related costs associated with our acquisition of Centina in fiscal 2020, and costs and recoveries of acquisition consideration and compensation associated with a three-year earn-out arrangement related to the DonRiver acquisition in fiscal 2018. Ciena does not believe that these costs are reflective of its ongoing operating expense following its completion of these integration activities.
- · Loss on extinguishment and modification of debt reflects extinguishment and modification of debt expenses related to refinancing of our Term Loan due September 28, 2025.
- · Unrealized (gain)loss on equity investment reflects a change in the carrying value of certain cost method equity investments.
- Non-GAAP tax provision consists of current and deferred income tax expense commensurate with the level of adjusted income before income taxes and utilizes a current, blended U.S. and foreign statutory annual tax rate of 20.5% for fiscal 2021 and 21.6% for fiscal 2020. This rate may be subject to change in the future, including as a result of changes in tax policy or tax strategy.

Ciena's GAAP tax provision for fiscal 2021 benefited from recording a \$119.3 million tax benefit related to an internal transfer of non-U.S. intangible assets that was recognized as a result of the step-up in basis of such

rights for tax purposes. The Non-GAAP tax provision for the periods presented do not include this tax benefit or the corresponding deferred tax asset.



Ciena Corporation

Earnings Presentation

Period ended October 30, 2021

December 9, 2021

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Forward-looking statements and non-GAAP measures

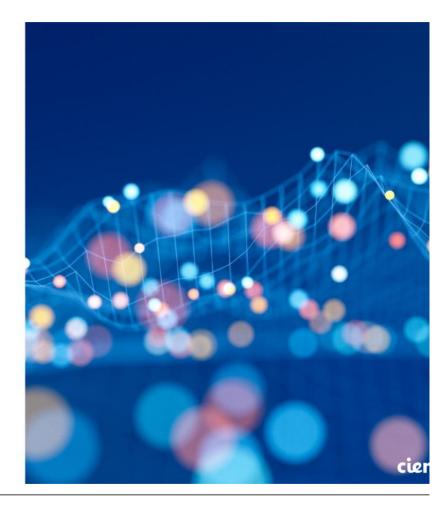
Information in this presentation and related comments of presenters contain a number of forward-looking statements. These statements are based on current expectal forecasts, assumptions and other information available to the Company as of the date hereof. Forward-looking statements include Ciena's prospective financial result: capital plans, business strategies, expectations about its addressable markets and market share, and business outlook for future periods, as well as statements regard Ciena's expectations, beliefs, intentions or strategies regarding the future. Often, these can be identified by forward-looking words such as "target" "anticipate," "believ "could," "estimate," "expect," "intend," "may," "should," "will," "plan," "predict," "potential," "project, "continue," and "would" or similar words.

Ciena's actual results, performance or events may differ materially from these forward-looking statements made or implied due to a number of risks and uncertainties in Ciena's business, including: the effect of broader economic and market conditions on our customers and their business; our ability to execute our business and growth strategies; the duration and severity of the COVID-19 pandemic and the impact of countermeasures taken to mitigate its spread on macroeconomic conditions, econor activity, demand for our technology solutions, short- and long-term changes in customer or end user needs, continuity of supply chain, our business operations, liquidi financial results; changes in network spending or network strategy by our customers; seasonality and the timing and size of customer orders, including our ability to rerevenue relating to such sales; the level of competitive pressure we encounter; the product, customer and geographic mix of sales within the period; supply chain dist and the level of success relating to efforts to optimize Ciena's operations; changes in foreign currency exchange rates affecting revenue and operating expense; facto our control such as natural disasters, climate change, acts of war or terrorism, and public health emergencies, including the COVID-19 pandemic; the impact of the Ta and Jobs Act; changes in tax or trade regulations, including the imposition of tariffs, duties or efforts to withdraw from or materially modify international trade agreement the other risk factors disclosed in Ciena's periodic reports filed with the Securities and Exchange Commission (SEC) including Ciena's Quarterly Report on Form 10-K to be filed with the SEC.

All information, statements, and projections in this presentation and the related earnings call speak only as of the date of this presentation and related earnings call. C assumes no obligation to update any forward-looking or other information included in this presentation or related earnings calls, whether as a result of new information events or otherwise.

In addition, this presentation includes historical, and may include prospective, non-GAAP measures of Ciena's gross margin, operating expense, operating profit, EBI income, and net income per share. These measures are not intended to be a substitute for financial information presented in accordance with GAAP. A reconciliation GAAP measures used in this presentation to Ciena's GAAP results for the relevant period can be found in the Appendix to this presentation. Additional information can found in our press release filed this morning and in our reports on Form 10-Q filed with the Securities and Exchange Commission.

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|-------------------------------------|----------------------|---|
|-------------------------------------|----------------------|---|



Fiscal 2021 results

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FY 2021 key achievements

We are driving the pace of innovation

- WL5 Extreme (WL5e) total number of customers of 140 including 75 in 2021
- 41 wins in our Routing and Switching portfolio and expanded our portfolio of offerings
- Blue Planet revenue grew 23% YoY
- Commercially shipped our first 400 ZR pluggables, WL5 Nano

We have a durable business and financial model

- Despite headwinds from COVID-19 our profitability and cash metrics remained strong
- Adj. operating margin* was 16.8%
 - Our balance sheet represents a competitive advantage
 - Ended the year with approx.
 \$1.7B in cash and investments
 - Leverage remains below our target level

We are committed to our people and communities

- Published an updated Sustainabilit Report highlighting programs that create a more sustainable and connected future
- Launched Digital Inclusion Commitment initiative with a goal to provide opportunities for 100,000 underserved students in our global communities
- Surpassed FY21 corporate goal of 20,000 volunteer hours in the communities where our employees live and work

As COVID-19 challenges vary around the world, we remain vigilant and committed to our customers and employees

* A reconciliation of these non-GAAP measures to our GAAP results is included in the press release for the relative period.

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FY 2021 comparative financial highlights

| | FY 2021 | FY 2020 |
|-----------------------------|---------|---------|
| Revenue | \$3.62B | \$3.53B |
| Adjusted Gross Margin* | 47.9% | 47.4% |
| Adjusted Operating Expense* | \$1.13B | \$1.06B |
| Adjusted Operating Margin* | 16.8% | 17.6% |
| Adjusted EBITDA* | \$703M | \$714M |
| Adjusted EPS* | \$2.91 | \$2.95 |

* A reconciliation of these non-GAAP measures to our GAAP results is included in the press release for the relative period.

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FY 2021 comparative operating metrics

| | FY 2021 | FY 2020 |
|----------------------|---------|---------|
| Cash and investments | \$1.67B | \$1.32B |
| Cash from operations | \$542M | \$494M |
| DSO | 98 | 82 |
| Inventory Turns | 4.1 | 4.6 |

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Market context

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<image>

Market leadership

OMDIA

#1 GLOBALLY

- DATA CENTER INTERCONNECT
- DATA CENTER INTERCONNECT FOR ICP/CNPs
- PURPOSE-BUILT/COMPACT MODULAR DCI
- OPTICAL NETWORKING FOR ICP/CNPs
- OPTICAL NETWORK HARDWARE VENDOR SCORECARD OPTICAL EQUIPMENT VENDOR LEADERSHIP SP SURVEY
- SLTE WDM
- ACCESS SWITCHING

#1 N. AMERICA

- TOTAL OPTICAL NETWORKING
- DATA CENTER INTERCONNECT
- TOTAL WDM
- LH WDM
- METRO WDM
- SLTE WDM
- ACCESS SWITCHING

#2 GLOBALLY

- TOTAL OPTICAL NETWORKING 0
- TOTAL WDM
- · LH WDM METRO WDM

Optical Networking Report, 3Q21 Data Center Interconnect Market Share Report, 3Q21 Optical Network HW Vendor Scorecard, Jun 2020 Optical Equipment Vendor Leadership Global Service Provider Survey, Dec 2019 Service Provider Switching & Routing Report, 3Q21

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*Cignal AI

#1 GLOBALLY

- PURPOSE-BUILT/COMPACT MODULAR DCI
- OPTICAL FOR CLOUD & COLO
- SLTE WDM
- PACKET ACCESS

#1 N. AMERICA

- TOTAL OPTICAL NETWORKING PURPOSE-BUILT/COMPACT MODULAR DCI OPTICAL FOR CLOUD & COLO
 - TOTAL WDM
- LH WDM METRO WDM
- SLTE WDM
- PACKET ACCESS

#2 GLOBALLY

- TOTAL OPTICAL NETWORKING 0
- TOTAL WDM
- LH WDM METRO WDM .

Transport Hardware Report, 3Q21 Transport Customer Markets Report, 2Q21 Transport Applications Report, 2Q21

O GROUP DELL'ORO

#1 GLOBALLY

- DATA CENTER INTERCONNECT
- PURPOSE-BUILT/COMPACT MODULAR DC
- INTERNET CONTENT PROVIDER CUSTOM 0 CABLE MSO CUSTOMERS

· LH WDM

#1 N. AMERICA

- DATA CENTER INTERCONNECT
- TOTAL OPTICAL NETWORKING
- OPTICAL PACKET
- TOTAL WDM
- LH WDM
- METRO WDM

#2 GLOBALLY

- TOTAL OPTICAL NETWORKING
- OPTICAL PACKET TOTAL WDM
- METRO WDM

Optical Transport Report, 3Q21

Six mega trends driving network investment





Digital Transformation



Data Center

Mobility & 5G

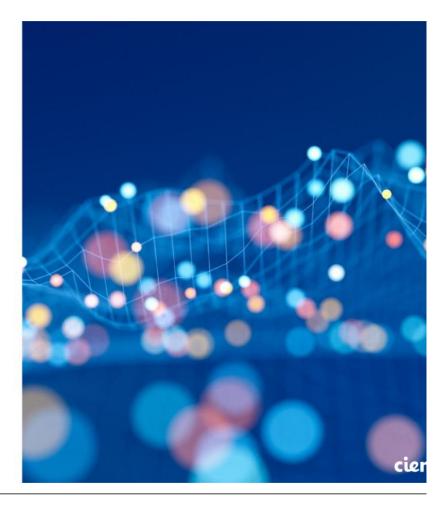




Virtual & Hybrid Lifestyles



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Q4 Fiscal 2021 results

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Q4 FY 2021 key highlights

Achieving balanced growth

- Non-telco represented 39% of total revenue
- Direct web-scale contributed 18% of total revenue
- APAC contributed 12% of total revenue
- Blue Planet was up 19% QoQ

Driving the pace of innovation

- R&D investment was \$147M or 14% of revenue
- 15 new wins on WaveLogic Ai and 34 new wins on WaveLogic 5e in Q4
- Shipped our first 400 ZR pluggables, WL5 Nano

Delivering shareholder value

- YTD¹ total stockholder return of 149
- Adjusted EPS* growth of 42% YoY
- Adjusted operating margin* improve by 100bps YoY
- Balance sheet strength:
 - FCF was \$243M
 - Cashflow from operations was \$255M

1 Source: Capital IQ 12/31/20-11/30/21

* A reconciliation of these non-GAAP measures to our GAAP results is included in the appendix to this presentation.

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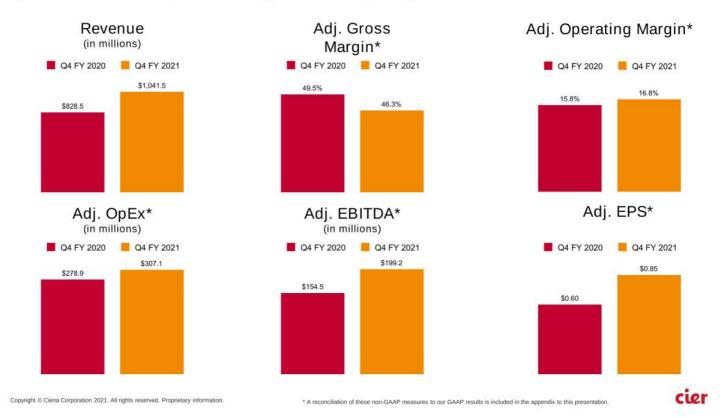
Q4 FY 2021 financial highlights*

| | Q4 FY 2021 | Q4 FY 2020 |
|-----------------------------|------------|------------|
| Revenue | \$1,041M | \$828M |
| Adjusted Gross Margin* | 46.3% | 49.5% |
| Adjusted Operating Expense* | \$307M | \$279M |
| Adjusted Operating Margin* | 29.5% | 33.7% |
| Adjusted EBITDA* | \$199M | \$155M |
| Adjusted EPS* | \$0.85 | \$0.60 |

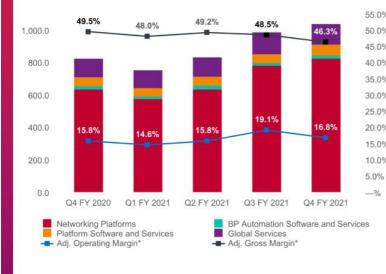
* A reconciliation of these non-GAAP measures to our GAAP results is included in the appendix to this presentation.

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Q4 FY 2021 comparisons (year-over-year)



Revenue by segment (Amounts in millions)

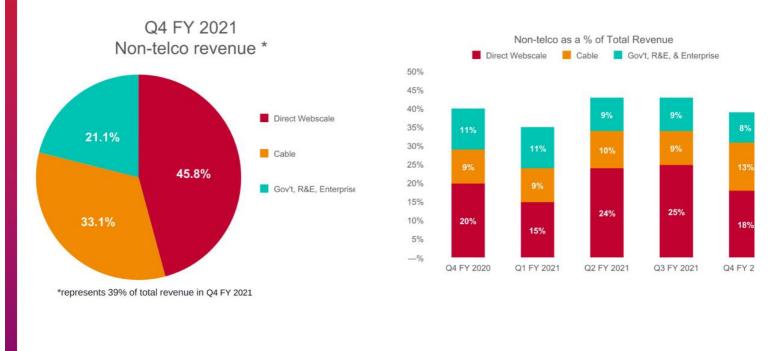


| | Q4 FY 2 | 2021 | Q4 FY |
|--|-----------|---------|---------|
| | Revenue | %** | Revenue |
| Networking Platforms | | | |
| Converged Packet Optical | 754.6 | 72.5 | 579.3 |
| Routing and Switching | 74.2 | 7.1 | 56.0 |
| Total Networking Platforms | 828.8 | 79.6 | 635.3 |
| Platform Software and Services | 66.1 | 6.3 | 54.5 |
| Blue Planet Automation Software and Services | 19.8 | 1.9 | 20.9 |
| Global Services | | | |
| Maintenance Support and Training | 71.3 | 6.9 | 67.0 |
| Installation and Deployment | 47.2 | 4.5 | 43.0 |
| Consulting and Network Design | 8.3 | 0.8 | 7.8 |
| Total Global Services | 126.8 | 12.2 | 117.8 |
| Total | \$1,041.5 | 100.0 % | \$828.5 |

* A reconciliation of these non-GAAP measures to our GAAP results is included in the appendix to this presentation. ** Denotes % of total revenue

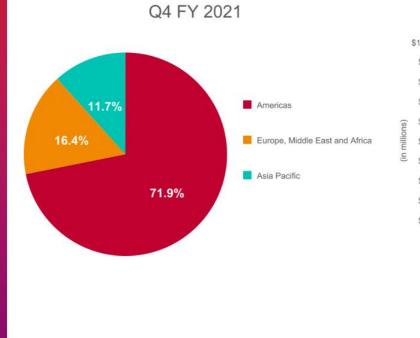
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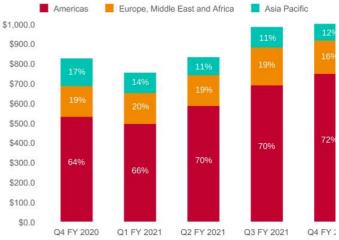
Continued strength derived from non-telco revenue



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Revenue by geographic region





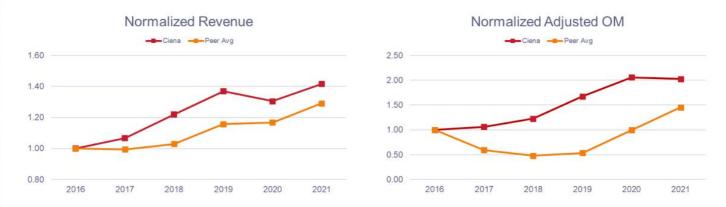
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Q4 FY 2021 balance sheet and operating metrics

| Cash and Investments | \$1.67B |
|---------------------------|---------|
| Cash Flow from Operations | \$255M |
| Free Cash Flow | \$243M |
| Inventory Turns | 5.0 |
| Gross Leverage | 1.1x |
| Net Cash | \$927M |

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Delivering consistent financial performance

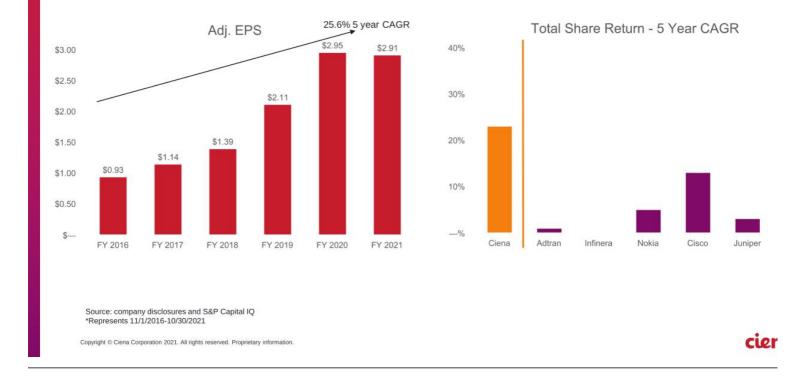


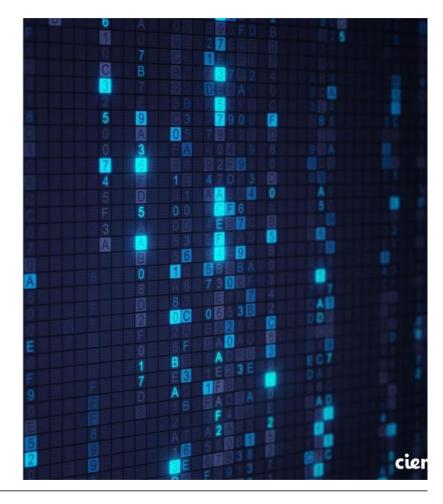
Source: Company filings Peer Average: ACIA¹, ADTN, ADVA, ANET, CSCO, INFN², JNPR and NOKIA Infrastructure segment

*FY 2021 includes Q4 consensus for industry average and midpoint of Ciena's Q1 FY22 guide 1. ACIA has been removed from the list since 2021 after acquisition 2. INFN represents INFN+Coriant from the time the acquisition closed

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Delivering profitability and total shareholder return





Q4 Fiscal 2021 appendix

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| Gross Profit Reconciliation (Amounts in thousands) | | | | | |
|---|------------|------------|------------|------------|-------|
| | Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 FY |
| GAAP gross profit | \$477,119 | \$474,550 | \$412,419 | \$357,891 | |
| Share-based compensation-products | 920 | 1,037 | 498 | 953 | |
| Share-based compensation-services | 1,240 | 1,315 | 1,421 | 1,205 | |
| Canadian Emergency Wage Subsidy-products | - | (94) | (4,189) | _ | |
| Canadian Emergency Wage Subsidy-services | - | (47) | (2,620) | | |
| Amortization of intangible assets | 2,856 | 2,857 | 2,856 | 3,732 | |
| Total adjustments related to gross profit | 5,016 | 5,068 | (2,034) | 5,890 | |
| Adjusted (non-GAAP) gross profit | \$482,135 | \$479,618 | \$410,385 | \$363,781 | |
| Adjusted (non-GAAP) gross profit percentage | 46.3 % | 48.5 % | 49.2 % | 48.0 % | |

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Operating Expense Reconciliation (Amounts in thousands)

| | Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 FY |
|--|------------|------------|------------|----------------------|-------|
| GAAP operating expense | \$339,710 | \$326,027 | \$278,790 | \$282,096 | |
| Share-based compensation-research and development | 5,684 | 5,541 | 5,844 | 4,794 | |
| Share-based compensation-sales and marketing | 6,192 | 6,534 | 6,610 | 5,816 | |
| Share-based compensation-general and administrative | 7,466 | 8,237 | 6,743 | 6,358 | |
| Canadian Emergency Wage Subsidy-research and development | <u> </u> | (596) | (28,923) | _ | |
| Canadian Emergency Wage Subsidy-sales and marketing | <u> </u> | (53) | (2,551) | | |
| Canadian Emergency Wage Subsidy-general and administrative | 100 | (46) | (2,161) | 20 11- 20 | |
| Significant asset impairments and restructuring costs | 5,700 | 9,789 | 8,209 | 5,867 | |
| Amortization of intangible assets | 5,836 | 5,967 | 6,019 | 5,910 | |
| Acquisition and integration costs | 1,712 | 259 | 294 | 307 | |
| Total adjustments related to operating expense | 32,590 | 35,632 | 84 | 29,052 | |
| Adjusted (non-GAAP) operating expense | \$307,120 | \$290,395 | \$278,706 | \$253,044 | |

Income from Operations Reconciliation (Amounts in thousands)

| | Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 FY |
|---|------------|------------|------------|------------|-------|
| GAAP income from operations | \$137,409 | \$148,523 | \$133,629 | \$75,795 | |
| Total adjustments related to gross profit | 5,016 | 5,068 | (2,034) | 5,890 | |
| Total adjustments related to operating expense | 32,590 | 35,632 | 84 | 29,052 | |
| Total adjustments related to income from operations | 37,606 | 40,700 | (1,950) | 34,942 | |
| Adjusted (non-GAAP) income from operations | \$175,015 | \$189,223 | \$131,679 | \$110,737 | |
| Adjusted (non-GAAP) operating margin percentage | 16.8 % | 19.1 % | 15.8 % | 14.6 % | |
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| Net Income Reconciliation (Amounts in thousands) | | | | | |
|--|------------|------------|------------|------------|------|
| | Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 F |
| GAAP net income | \$103,499 | \$238,232 | \$103,117 | \$55,348 | |
| Exclude GAAP provision (benefit) for income taxes | 25,826 | (96,690) | 21,453 | 11,966 | |
| Income before income taxes | 129,325 | 141,542 | 124,570 | 67,314 | |
| Total adjustments related to income from operations | 37,606 | 40,700 | (1,950) | 34,942 | |
| Unrealized (gain) loss on equity investment | _ | _ | 165 | _ | |
| Adjusted income before income taxes | 166,931 | 182,242 | 122,785 | 102,256 | |
| Non-GAAP tax provision on adjusted income before income taxes | 34,221 | 37,360 | 25,171 | 20,962 | |
| Adjusted (non-GAAP) net income | \$132,710 | \$144,882 | \$97,614 | \$81,294 | |
| Weighted average basic common shares outstanding | 155,232 | 155,271 | 155,331 | 155,174 | |
| Weighted average diluted potential common shares $outstanding^{(1)}$ | 156,689 | 156,744 | 156,876 | 156,583 | |

| Net Income per Common Share | | | | | |
|---|---------------|------------|------------|------------|------|
| | Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 F |
| GAAP diluted net income per potential common share | \$ 0.66 \$ | 1.52 \$ | 0.66 \$ | 0.35 \$ | |
| Adjusted (non-GAAP) diluted net income per potential common share | \$ 0.85 \$ | 0.92 \$ | 0.62 \$ | 0.52 \$ | |

1. Weighted average diluted potential common shares outstanding used in calculating Adjusted (non-GAAP) diluted net income per potential common share for the fourth quarter of fiscal 2021 includes 1.5 million shares underlying certain stock option and stock unit awards.

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Earnings Before Interest, Tax, Depreciation and Amortization (EBITDA) (Amounts in thousands)

| Q4 FY 2021 | Q3 FY 2021 | Q2 FY 2021 | Q1 FY 2021 | Q4 F |
|------------|--|---|--|--|
| \$103,499 | \$238,232 | \$103,117 | \$55,348 | |
| 7,916 | 7,776 | 7,785 | 7,360 | |
| (168) | 795 | (1,274) | (1,121) | |
| 25,826 | (96,690) | 21,453 | 11,966 | |
| 24,315 | 24,623 | 24,107 | 23,188 | |
| 8,692 | 8,824 | 8,875 | 9,642 | |
| \$170,416 | \$181,970 | \$166,611 | \$108,625 | |
| - | 836 | 40,444 | - | |
| 21,366 | 22,471 | 21,535 | 18,964 | |
| 5,700 | 9,789 | 8,209 | 5,867 | |
| 1,712 | 259 | 294 | 307 | |
| \$199,194 | \$213,653 | \$156,205 | \$133,763 | |
| | \$103,499 7,916 (168) 25,826 24,315 8,692 \$170,416 21,366 5,700 1,712 | \$103,499 \$238,232 7,916 7,776 (168) 795 25,826 (96,690) 24,315 24,623 8,692 8,824 \$170,416 \$181,970 21,366 22,471 5,700 9,789 1,712 259 | \$103,499 \$238,232 \$103,117 7,916 7,776 7,785 (168) 795 (1,274) 25,826 (96,690) 21,453 24,315 24,623 24,107 8,692 8,824 8,875 \$170,416 \$181,970 \$166,611 21,366 22,471 21,535 5,700 9,789 8,209 1,712 259 294 | \$103,499 \$238,232 \$103,117 \$55,348 7,916 7,776 7,785 7,360 (168) 795 (1,274) (1,121) 25,826 (96,690) 21,453 11,966 24,315 24,623 24,107 23,188 8,692 8,824 8,875 9,642 \$170,416 \$181,970 \$166,611 \$108,625 21,366 22,471 21,535 18,964 5,700 9,789 8,209 5,867 1,712 259 294 307 |

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