

REFINITIV

DELTA REPORT

10-Q

RBBN - RIBBON COMMUNICATIONS INC
10-Q - JUNE 30, 2024 COMPARED TO 10-Q - MARCH 31, 2024

The following comparison report has been automatically generated

TOTAL DELTAS	1194
CHANGES	281
DELETIONS	386
ADDITIONS	527

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

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

For the quarterly period ended **March 31, 2024** **June 30, 2024**

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

For the transition period from to

Commission File Number 001-38267

RIBBON COMMUNICATIONS INC.

(Exact name of Registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

82-1669692

(I.R.S. Employer Identification No.)

6500 Chase Oaks Boulevard, Suite 100, Plano, Texas 75023

(Address of principal executive offices) (Zip code)

(978) 614-8100

(Registrant's telephone number, including area code)

N/A

(Former name, former address and former fiscal year, if changed since last report)

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, par value \$0.0001	RBBN	The Nasdaq Global Select Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input checked="" type="checkbox"/>	Non-accelerated filer	<input type="checkbox"/>
Smaller reporting company	<input type="checkbox"/>	Emerging growth company	<input type="checkbox"/>		

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) ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of **May 10, 2024** **July 22, 2024**, there were **173,909,887** **174,526,596** shares of the registrant's common stock, \$0.0001 par value per share, outstanding.

RIBBON COMMUNICATIONS INC.
FORM 10-Q
QUARTERLY PERIOD ENDED **MARCH 31, JUNE 30, 2024**

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Quarterly Report on Form 10-Q speaks only as of the date on which this report was first filed. We undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise.

PART I FINANCIAL INFORMATION

Item 1. Financial Statements

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Balance Sheets
(in thousands, except share and per share data)
(unaudited)

	March 31, 2024	December 31, 2023
	June 30, 2024	December 31, 2023
Assets		
Current assets:		
Cash and cash equivalents		
Cash and cash equivalents		
Cash and cash equivalents		
Accounts receivable, net		
Accounts receivable, net		
Restricted cash		
Accounts receivable, net		
Inventory		
Other current assets		
Total current assets		
Property and equipment, net		
Intangible assets, net		
Goodwill		
Deferred income taxes		
Operating lease right-of-use assets		
Other assets		
		\$
Liabilities and Stockholders' Equity		
Current liabilities:		
Current portion of term debt		
Current portion of term debt		
Current portion of term debt		
Accounts payable		
Accounts payable		
Accounts payable		
Accrued expenses and other		
Operating lease liabilities		
Deferred revenue		
Total current liabilities		
Long-term debt, net of current		
Warrant liability		
Preferred stock liability, \$0.01 par value per share; 10,000,000 shares authorized, 55,000 shares issued and outstanding (\$56,650 liquidation preference)		
Preferred stock liability, \$0.01 par value per share; 10,000,000 shares authorized, none issued and outstanding at June 30, 2024; 55,000 shares issued and outstanding at December 31, 2023 (\$56,650 liquidation preference)		
Operating lease liabilities, net of current		

Deferred revenue, net of current		
Deferred income taxes		
Other long-term liabilities		
Total liabilities		
Commitments and contingencies (Note 19)	Commitments and contingencies (Note 19)	Commitments and contingencies (Note 19)
Stockholders' equity:		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 172,714,429 shares issued and outstanding at March 31, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 172,714,429 shares issued and outstanding at March 31, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 172,714,429 shares issued and outstanding at March 31, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 174,437,242 shares issued and outstanding at June 30, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 174,437,242 shares issued and outstanding at June 30, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Common stock, \$0.0001 par value per share; 240,000,000 shares authorized; 174,437,242 shares issued and outstanding at June 30, 2024; 172,083,667 shares issued and outstanding at December 31, 2023		
Additional paid-in capital		
Accumulated deficit		
Accumulated other comprehensive income		
Total stockholders' equity		
	\$	

See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Operations
(in thousands, except per share data)
(unaudited)

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Revenue:				
Revenue:				
Revenue:				
Product				
Product				
Product				
Service				
Service				
Service				
Total revenue				
Total revenue				
Total revenue				
Cost of revenue:				
Cost of revenue:				
Cost of revenue:				
Product				
Product				
Product				

Service
Service
Service
Amortization of acquired technology
Amortization of acquired technology
Amortization of acquired technology
Total cost of revenue
Total cost of revenue
Total cost of revenue
Gross profit
Gross profit
Gross profit
Operating expenses:
Operating expenses:
Operating expenses:
Research and development
Research and development
Research and development
Sales and marketing
Sales and marketing
Sales and marketing
General and administrative
General and administrative
General and administrative
Amortization of acquired intangible assets
Amortization of acquired intangible assets
Amortization of acquired intangible assets
Acquisition-, disposal- and integration-related
Acquisition-, disposal- and integration-related
Acquisition-, disposal- and integration-related
Restructuring and related
Restructuring and related
Restructuring and related
Total operating expenses
Total operating expenses
Total operating expenses
Loss from operations
Loss from operations
Loss from operations
Interest expense, net
Interest expense, net
Interest expense, net
Other (expense) income, net
Other (expense) income, net
Other (expense) income, net
Loss before income taxes
Loss before income taxes
Loss before income taxes
Income tax provision
Income tax provision
Income tax provision

Net loss
Net loss
Net loss
Loss per share:
Loss per share:
Loss per share:
Basic
Basic
Basic
Diluted
Diluted
Diluted
Weighted average shares used to compute loss per share:
Weighted average shares used to compute loss per share:
Weighted average shares used to compute loss per share:
Basic
Basic
Basic
Diluted
Diluted
Diluted

See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Comprehensive Loss
(in thousands)
(unaudited)

	Three months ended	Three months ended	Six months ended
	Three months ended		
	Three months ended		
	March 31, 2024		
	March 31, 2024		
	March 31, 2024		
	June 30, 2024	June 30, 2023	June 30, 2024
	June 30, 2024	June 30, 2023	June 30, 2024
Net loss			
Net loss			
Net loss			
Other comprehensive income (loss), net of tax:			
Other comprehensive income (loss), net of tax:			
Other comprehensive income (loss), net of tax:			
Unrealized loss on interest rate swap, net of reclassifications and amortization into earnings			
Unrealized loss on interest rate swap, net of reclassifications and amortization into earnings			
Unrealized loss on interest rate swap, net of reclassifications and amortization into earnings			
Reclassification of gain to other income (expense), net upon sale of interest rate swap			
Reclassification of gain to other income (expense), net upon sale of interest rate swap			
Reclassification of gain to other income (expense), net upon sale of interest rate swap			
Foreign currency translation adjustments			

Foreign currency translation adjustments
Foreign currency translation adjustments
Other comprehensive loss, net of tax
Other comprehensive loss, net of tax
Other comprehensive loss, net of tax
Comprehensive loss, net of tax
Comprehensive loss, net of tax
Comprehensive loss, net of tax

See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Stockholders' Equity
(in thousands, except shares)
(unaudited)

[illegible]

Shares of
restricted stock
returned to the
Company
under net
share
settlements to
satisfy tax
withholding
obligations
Stock-based
compensation
expense

Other
comprehensive
loss
Net loss
Balances,
March 31,
2024
Balances,
June 30, 2024

Six months ended June 30, 2024							
	Common stock		Additional paid-in capital	Accumulated deficit	Accumulated other comprehensive (loss) income	Total stockholders'	
	Shares	Amount				equity	
Balances, January 1, 2024	172,083,667	\$ 17	\$ 1,958,909	\$ (1,519,950)	\$ 13,787	\$ 452,763	
Exercise of stock options	8,624		17			17	
Vesting of restricted stock awards and units	3,027,037					—	
Vesting of performance-based stock units	288,672					—	
Shares of restricted stock returned to the Company under net share settlements to satisfy tax withholding obligations	(970,758)		(2,638)			(2,638)	
Stock-based compensation expense			8,016			8,016	
Other comprehensive loss					(5,959)	(5,959)	
Net loss				(47,177)		(47,177)	
Balances, June 30, 2024	174,437,242	\$ 17	\$ 1,964,304	\$ (1,567,127)	\$ 7,828	\$ 405,022	

Three months ended March 31, 2023							
	Common stock		Additional paid-in capital	Accumulated deficit	Accumulated other comprehensive income	Total stockholders'	
	Shares	Amount				equity	
Balances, January 1, 2023	168,324,995	\$ 17	\$ 1,941,569	\$ (1,453,744)	\$ 30,585	\$ 518,427	
Exercise of stock options	573		1			1	
Vesting of restricted stock awards and units	1,020,277					—	
Vesting of performance-based stock units	381,071					—	
Shares of restricted stock returned to the Company under net share settlements to satisfy tax withholding obligations	(496,937)		(1,893)			(1,893)	
Stock-based compensation expense			5,848			5,848	
Other comprehensive loss					(11,150)	(11,150)	
Net loss				(38,305)		(38,305)	

Balances, March 31, 2023	169,229,979	\$ 17	\$ 1,945,525	\$ (1,492,049)	\$ 19,435	\$ 472,928
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See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Stockholders' Equity
(in thousands, except shares)
(unaudited)

Three months ended June 30, 2023						
	Common stock		Additional	Accumulated	Accumulated other comprehensive	Total
	Shares	Amount	paid-in capital	deficit	(loss) income	stockholders' equity
Balances, April 1, 2023	169,229,979	\$ 17	\$ 1,945,525	\$ (1,492,049)	\$ 19,435	\$ 472,928
Exercise of stock options	344		1			1
Vesting of restricted stock awards and units	2,294,295					—
Shares of restricted stock returned to the Company under net share settlements to satisfy tax withholding obligations	(566,218)		(1,563)			(1,563)
Stock-based compensation expense			6,116			6,116
Other comprehensive loss					(1,756)	(1,756)
Net loss				(21,479)		(21,479)
Balances, June 30, 2023	170,958,400	\$ 17	\$ 1,950,079	\$ (1,513,528)	\$ 17,679	\$ 454,247

Six months ended June 30, 2023						
	Common stock		Additional	Accumulated	Accumulated other comprehensive	Total
	Shares	Amount	paid-in capital	deficit	(loss) income	stockholders' equity
Balances, January 1, 2023	168,324,995	\$ 17	\$ 1,941,569	\$ (1,453,744)	\$ 30,585	\$ 518,427
Exercise of stock options	917		2			2
Vesting of restricted stock awards and units	3,314,572					—
Vesting of performance-based stock units	381,071					—
Shares of restricted stock returned to the Company under net share settlements to satisfy tax withholding obligations	(1,063,155)		(3,456)			(3,456)
Stock-based compensation expense			11,964			11,964
Other comprehensive loss					(12,906)	(12,906)
Net loss				(59,784)		(59,784)
Balances, June 30, 2023	170,958,400	\$ 17	\$ 1,950,079	\$ (1,513,528)	\$ 17,679	\$ 454,247

See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Cash Flows
(in thousands)
(unaudited)

	Three months ended	
	March 31, 2024	March 31, 2023

	Six months ended	
	June 30, 2024	June 30, 2023
Cash flows from operating activities:		
Net loss		
Net loss		
Net loss		
Adjustments to reconcile net loss to cash flows provided by operating activities:		
Depreciation and amortization of property and equipment		
Depreciation and amortization of property and equipment		
Depreciation and amortization of property and equipment		
Amortization of intangible assets		
Amortization of debt issuance costs		
Amortization of debt issuance costs and original issue discount		
Amortization of accumulated other comprehensive gain related to interest rate swap		
Stock-based compensation		
Deferred income taxes		
Gain on sale of swap		
Change in fair value of warrant liability		
Change in fair value of preferred stock liability		
Dividends accrued on preferred stock liability		
Foreign currency exchange (gains) losses		
Payment of dividends accrued on preferred stock liability		
Foreign currency exchange losses (gains)		
Changes in operating assets and liabilities:		
Accounts receivable		
Accounts receivable		
Accounts receivable		
Inventory		
Other operating assets		
Accounts payable		
Accrued expenses and other long-term liabilities		
Deferred revenue		
Net cash provided by operating activities		
Cash flows from investing activities:		
Purchases of property and equipment		
Purchases of property and equipment		
Purchases of property and equipment		
Purchases of software licenses		
Net cash used in investing activities		
Net cash used in investing activities		
Net cash used in investing activities		
Cash flows from financing activities:		
Borrowings under revolving line of credit		
Borrowings under revolving line of credit		
Borrowings under revolving line of credit		
Principal payments on revolving line of credit		
Principal payments of term debt		
Principal payments of term debt		
Proceeds from issuance of term debt		
Principal payments of term debt		

Payment of debt issuance costs
Payment of debt issuance costs
Payment of debt issuance costs
Proceeds from issuance of preferred stock and warrant liabilities
Payment of preferred stock liability
Proceeds from the exercise of stock options
Payment of tax obligations related to vested stock awards and units
Net cash used in financing activities
Net cash provided by (used in) financing activities
Effect of exchange rate changes on cash and cash equivalents
Net increase (decrease) in cash and cash equivalents
Cash and cash equivalents, beginning of year
Cash and cash equivalents, end of period
Supplemental disclosure of cash flow information:
Supplemental disclosure of cash flow information:
Supplemental disclosure of cash flow information:
Interest paid
Interest paid
Interest paid
Income taxes paid
Income tax refunds received
Supplemental disclosure of non-cash investing activities:
Capital expenditures incurred, but not yet paid
Capital expenditures incurred, but not yet paid
Capital expenditures incurred, but not yet paid
Inventory transfers to property and equipment
Inventory transfers to property and equipment
Inventory transfers to property and equipment
Supplemental disclosure of non-cash financing activities:
Fair value of vested restricted and performance-based stock grants
Fair value of vested restricted and performance-based stock grants
Fair value of vested restricted and performance-based stock grants
Cash, cash equivalents and restricted cash, beginning of year
Cash, cash equivalents and restricted cash, end of period

RIBBON COMMUNICATIONS INC.
Condensed Consolidated Statements of Cash Flows (continued)
(in thousands)
(unaudited)

	Six months ended	
	June 30, 2024	June 30, 2023
Supplemental disclosure of cash flow information:		
Interest paid	\$ 12,222	\$ 11,617
Income taxes paid	\$ 9,664	\$ 6,945
Income tax refunds received	\$ 991	\$ 430
Supplemental disclosure of non-cash investing activities:		
Capital expenditures incurred, but not yet paid	\$ 1,786	\$ 2,150
Inventory transfers to property and equipment	\$ 954	\$ 963
Supplemental disclosure of non-cash financing activities:		

Fair value of vested restricted and performance-based stock grants	\$	9,095	\$	11,724
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See notes to the unaudited condensed consolidated financial statements.

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements
(unaudited)

(1) BASIS OF PRESENTATION

Business

Ribbon Communications Inc. ("Ribbon" or the "Company") is a leading global provider of communications technology to service providers and enterprises. The Company provides a broad range of software and high-performance hardware products, network solutions, and services that enable the secure delivery of data and voice communications, and high-bandwidth networking and connectivity for residential consumers and for small, medium, and large enterprises and industry verticals such as finance, education, government, utilities, and transportation. Ribbon's mission is to create a recognized global technology leader providing cloud-centric solutions that enable the secure exchange of information, with unparalleled scale, performance, and elasticity. The Company is headquartered in Plano, Texas, and has a global presence with research and development, or sales and support locations in over thirty countries around the world.

Basis of Presentation

In the opinion of management, the accompanying unaudited condensed consolidated financial statements include all adjustments, consisting only of normal recurring items, necessary for their fair presentation with accounting principles generally accepted in the United States of America ("GAAP") and with the rules and regulations of the U.S. Securities and Exchange Commission ("SEC").

Interim results are not necessarily indicative of results for a full year or any future interim period. The information included in this Quarterly Report on Form 10-Q should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2023, as amended (the "Annual Report"), which was filed with the SEC on February 28, 2024.

Operating Segments

The Company's chief operating decision maker (the "CODM") is its president and chief executive officer. The CODM assesses the Company's performance based on the performance of two separate organizations within Ribbon: the Cloud and Edge segment ("Cloud and Edge") and the IP Optical Networks segment ("IP Optical Networks").

Significant Accounting Policies

The Company's significant accounting policies are disclosed in Note 2 to the Consolidated Financial Statements included in the Annual Report. There were no material changes to the significant accounting policies during the ~~threesix~~ months ended ~~March 31, 2024~~ ~~June 30, 2024~~.

Principles of Consolidation

The condensed consolidated financial statements include the accounts of Ribbon and its wholly-owned subsidiaries. Intercompany transactions and balances have been eliminated in consolidation.

Use of Estimates and Judgments

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting periods. Significant estimates and judgments relied upon in preparing these condensed consolidated financial statements include revenue recognition for multiple element arrangements, inventory valuations, assumptions used to determine the fair value of stock-based compensation and the Preferred Stock and Warrants, intangible asset and goodwill valuations, including impairments, warranty accruals, legal contingencies and recoverability of Ribbon's net deferred tax assets and the related valuation allowances. Ribbon regularly assesses these estimates and records changes in estimates in the period in which they become known. Ribbon bases its

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
(unaudited)

estimates on historical experience and various other assumptions that it believes to be reasonable under the circumstances. Actual results could differ from those estimates.

Restricted Cash

The Company classifies as restricted cash all cash pledged as collateral to secure long-term obligations and all cash otherwise limited in use by contractual provisions. At June 30, 2024 and December 31, 2023, the Company had \$2.9 million and \$0.1 million of restricted cash, respectively, representing restricted short-term bank deposits pledged to secure certain guarantees and surety bonds as security for the Company's obligations under tenders, and contracts.

Transfers of Financial Assets

The Company's IP Optical Networks segment maintains customer receivables factoring agreements with a number of financial institutions. Under the terms of these agreements, the Company may transfer receivables to the financial institutions, on a non-recourse basis, provided that the financial institutions approve the receivables in advance. The Company maintains credit insurance policies from major insurance providers or obtains letters of credit from the customers for a majority of its factored trade receivables. The Company accounts for the factoring of its financial assets as a sale of the assets and records the factoring fees, when incurred, as a component of interest expense in the condensed consolidated statements of operations, and the proceeds from the sales of receivables are included in cash from operating activities in the condensed consolidated statements of cash flows.

Factoring of accounts receivable and associated fees for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands):

	Three months ended		Three months ended		Six months ended
	Three months ended				
	Three months ended				
	March 31,				
	2024				
	March 31,				
	2024				
	March 31,				
	2024				
Accounts receivable sold					
Accounts receivable sold					
	June 30,	June 30,	June 30,	June 30,	
	2024	2023	2024	2023	
Accounts receivable sold					
Less factoring fees					
Less factoring fees					
Less factoring fees					
Net cash proceeds					
Net cash proceeds					
Net cash proceeds					

Going Concern Assessment and Management Plans

The accompanying condensed consolidated financial statements are prepared in accordance with GAAP applicable to a going concern, which contemplates the realization of assets and the satisfaction of liabilities in the normal course of business.

The Company's 2020 Credit Facility (as defined in Note 9) requires quarterly payments of \$10.0 million each in the second, third and fourth quarters of 2024, with the remaining balance of \$200.4 million due on March 3, 2025. The Company does not have sufficient cash on hand or available liquidity to repay the \$200.4 million due on March 3, 2025. In response to these conditions, management's plans include refinancing the 2020 Credit Facility. The Company has entered into a binding commitment letter to refinance the 2020 Credit Facility. See Note 20 - Subsequent Event. The refinance contemplated by the binding commitment letter is expected to close no later than June 30, 2024. However, because the credit facility contemplated by the commitment letter has not yet been finalized, it cannot be deemed to be within the Company's control. As a result, such plans cannot be deemed probable and do not alleviate condensed consolidated financial statements for the period ended March 31, 2024, substantial doubt was raised about the Company's ability to continue as a going concern. concern due to the lack of sufficient cash on hand or available liquidity to repay its obligations under the 2020 Credit Facility (as defined in Note 9) that was scheduled to mature on March 3, 2025. In response to these conditions, management's plans included refinancing the 2020 Credit Facility and the Company entered into a binding commitment letter for such refinancing on May 15, 2024.

The condensed consolidated financial statements do not include any adjustments relating refinancing contemplated by the binding commitment letter closed on June 21, 2024. See Note 9 for a description of the 2024 Senior Secured Credit Facilities Credit Agreement, the proceeds of which were used to, among other things, repay all amounts outstanding under the recoverability and classification 2020 Credit Facility. As a result, there is no longer substantial doubt about the ability of recorded asset amounts or the amounts and classification of liabilities that might result from the outcome of this uncertainty. Company to continue as a going concern.

Recent Accounting Pronouncements

In December 2023, the Financial Accounting Standards Board (the "FASB") issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures* ("ASU 2023-09"), which increases the disclosure requirements around rate reconciliation information and certain types of income taxes companies are required to pay. ASU 2023-09 will be effective for

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
(unaudited)

the Company beginning in 2025, with early adoption permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.

In November 2023, the FASB issued ASU 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures* ("ASU 2023-07"), which improves reportable segment disclosure requirements, including enhancement of the

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
(unaudited)

disclosures of significant segment expenses and interim disclosure requirements, to enable investors to better understand an entity's overall performance and assess potential future cash flows. ASU 2023-07 will be effective for the Company annually beginning in 2024 and on an interim basis beginning in 2025, with early adoption permitted. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.

In October 2023, the FASB issued ASU 2023-06, *Disclosure Improvements: Codification Amendments in Response to the SEC's disclosure Update and Simplification Initiative* ("ASU 2023-06"), which amends the disclosure or presentation requirements related to various subtopics in the FASB Accounting Standards Codification. This ASU was issued in response to, and to align GAAP with, the SEC's August 2018 final rule that updates and simplifies disclosure requirements. The effective date for the Company for each amendment will be the date on which the SEC's removal of that related disclosure requirement becomes effective, with early adoption prohibited. The Company is currently evaluating the impact of this accounting standard update on its consolidated financial statements and related disclosures.

On February 1, 2023, the FASB staff noted that they believe that the Pillar 2 tax, established by the OECD and intended to apply for tax years beginning in 2024, would be an alternative minimum tax and therefore deferred tax assets would not need to be recognized related to this parallel taxing system. On February 2, 2023, the OECD issued administrative guidance providing transition and safe harbor rules around the implementation of the Pillar 2 global minimum tax. Under an additional transitional safe harbor released July 17, 2023, the undertaxed profits rule top-up tax will not be applied by any constituent entity's jurisdiction of residence with respect to income earned by a company's ultimate parent entity in its jurisdiction of residence, if the ultimate parent entity's jurisdiction has a corporate tax rate of at least 20%. This transition safe harbor will apply to fiscal years beginning on or before December 31, 2025 and ending before December 31, 2026. The Company is closely monitoring developments and evaluating the impacts these new rules will have on its tax rate, including eligibility to qualify for these safe harbor rules. Based upon preliminary calculations for calendar year 2024, the Company anticipates that it will meet the safe harbors in most jurisdictions, and any remaining top-up tax should be immaterial.

(2) EARNINGS (LOSS) PER SHARE

Basic earnings (loss) per share is computed by dividing net income (loss) by the weighted average number of shares outstanding during the period. For periods in which the Company reports net income, diluted net earnings per share is determined by using the weighted average number of common and dilutive common equivalent shares outstanding during the period, unless the effect is antidilutive.

The shares used to compute loss per share were as follows (in thousands):

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Weighted average shares outstanding - basic				
Weighted average shares outstanding - basic				
Weighted average shares outstanding - basic				
Potential dilutive common shares				
Potential dilutive common shares				
Potential dilutive common shares				
Weighted average shares outstanding - diluted				

Weighted average shares outstanding - diluted
Weighted average shares outstanding - diluted

Options to purchase the Company's common stock and unvested restricted and performance-based stock units aggregating 12.111.9 million and 11.914.1 million shares were excluded from the computation of diluted loss per share for the three and six months ended March 31, 2024 June 30, 2024 and 2023, respectively, because their effect would have been antidilutive.

On March 28, 2023, the Company issued 55,000 shares of newly designated Series A Preferred Stock (the "Preferred Stock") to investors in a private placement offering at a price of \$970 per share, along with 4.9 million warrants (the "Warrants")

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"Warrants") to purchase shares of the Company's common stock, par value \$0.0001 per share (the "Private Placement"), at the exercise price of \$3.77 per share. The proceeds from the Private Placement were approximately \$53.4 million, including approximately \$10 million from existing related party stockholders (See Note 11).

On June 25, 2024, the Company redeemed the Preferred Stock with a portion of the proceeds from the refinancing of the 2020 Credit Facility at a rate of 103% for a total of approximately \$63.5 million. The Warrants remain outstanding and without modification. See Note 9 for a description of the refinancing of the 2020 Credit Facility.

As of March 31, 2024, June 30, 2024 and 2023, the potential number of dilutive shares from the Warrants totaled 4.9 million shares. However, there

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was no impact on weighted average shares outstanding from these Warrants for the three and six months ended March 31, 2024 June 30, 2024 and 2023 as the average share price of the Company's common stock was below the exercise price of \$3.77 per share and their effect would have been antidilutive. For the three months ended March 31, 2023, the potential effect from the Warrants on weighted average shares outstanding for the calculation of diluted earnings (loss) per share was de minimis.

Dividends payable accrued on the Preferred Stock are were not an adjustment to net income (loss) used for the calculation of diluted earnings (loss) per share as these dividends are were included in the fair value adjustment of the Preferred Stock which is was reflected in Other (expense) income, net. net until the redemption of the Preferred Stock on June 25, 2024.

(3) INVENTORY

Inventory at March 31, 2024 June 30, 2024 and December 31, 2023 consisted of the following (in thousands):

	March 31, 2024	December 31, 2023	June 30, 2024	December 31, 2023
On-hand final assemblies and finished goods inventories				
On-hand final assemblies and finished goods inventories				
On-hand final assemblies and finished goods inventories				
Deferred cost of goods sold				
	100,217			
	99,796			
Less noncurrent portion (included in Other assets)				
Current portion				

(4) INTANGIBLE ASSETS AND GOODWILL

The Company's intangible assets at March 31, 2024 June 30, 2024 and December 31, 2023 consisted of the following (in thousands):

	Weighted average amortization period (years)	Cost	Accumulated amortization	Net carrying value
March 31, 2024				

Developed technology	7.84	\$ 340,380	\$ 245,163	\$ 95,217
Customer relationships	11.86	268,140	141,423	126,717
Trade names	3.88	5,000	4,927	73
Software licenses	3.00	5,486	2,613	2,873
	9.50	\$ 619,006	\$ 394,126	\$ 224,880

	Weighted average amortization period (years)	Cost	Accumulated amortization	Net carrying value
<u>December 31, 2023</u>				
	Weighted average amortization period (years)	Cost	Accumulated amortization	Net carrying value
<u>June 30, 2024</u>				
Developed technology				
Customer relationships				
Trade names				
Software licenses				
Software licenses				
Software licenses				
	9.51			
	9.50			

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Notes to Condensed Consolidated Financial Statements (Continued)
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	Weighted average amortization period (years)	Cost	Accumulated amortization	Net carrying value
<u>December 31, 2023</u>				
Developed technology	7.84	\$ 340,380	\$ 239,066	\$ 101,314
Customer relationships	11.86	268,140	134,743	133,397
Trade names	3.88	5,000	4,901	99
Software licenses	3.00	5,436	2,159	3,277
	9.51	\$ 618,956	\$ 380,869	\$ 238,087

Estimated future amortization expense for the Company's intangible assets at **March 31, 2024** **June 30, 2024** was as follows (in thousands):

Years ending December 31,

Remainder of 2024	
Remainder of 2024	
Remainder of 2024	
2025	
2026	
2027	
2028	
2029	
Thereafter	
	\$

There were no changes to the carrying value of the Company's goodwill in the **three six** months ended **March 31, 2024** **June 30, 2024** and 2023. The components of goodwill at both **March 31, 2024** **June 30, 2024** and 2023 were as follows (in thousands):

	Cloud and Edge	IP Optical Networks	Total
Goodwill	\$ 392,302	\$ 191,996	\$ 584,298

Accumulated impairment losses	(167,406)	(116,000)	(283,406)
	\$ 224,896	\$ 75,996	\$ 300,892

(5) FAIR VALUE HIERARCHY

The carrying amounts of the Company's cash equivalents, accounts receivable, accounts payable and borrowings under a revolving credit facility in the condensed consolidated balance sheets approximates fair value due to the immediate or short-term nature of these financial instruments. Ribbon's term debt balance as of March 31, 2024 June 30, 2024 and December 31, 2023 of \$230.4 \$350.0 million and \$235.4 million, respectively, had a fair value of approximately \$231.5 \$350.0 million and \$235.1 million, respectively. Our Preferred Stock and Warrants liabilities Warrant liability had a combined fair value of \$62.1 million \$6.2 million and \$5.3 million as of March 31, 2024 June 30, 2024 and December 31, 2023, including cumulative dividends on the respectively. Our Preferred Stock had a fair value of \$5.3 million. \$53.3 million as of December 31, 2023 and was fully redeemed on June 25, 2024.

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability. The three-tier fair value hierarchy is based on the level of independent, objective evidence surrounding the inputs used to measure fair value. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement. The fair value hierarchy is as follows:

Level 1. Level 1 applies to assets or liabilities for which there are quoted prices in active markets for identical assets or liabilities. The Company had no assets or liabilities fair valued using Level 1 input at March 31, 2024 June 30, 2024 or December 31, 2023.

RIBBON COMMUNICATIONS INC. Notes to Condensed Consolidated Financial Statements (Continued) (unaudited)

Level 2. Level 2 applies to assets or liabilities for which there are inputs that are directly or indirectly observable in the marketplace, such as quoted prices for similar assets or liabilities in active markets or quoted prices for identical assets or liabilities in markets with insufficient volume or infrequent transactions (less active markets). At December 31, 2023, the Company determined the fair value of its defined benefit plans' assets using Level 2 input. There were no significant changes to the Company's defined benefit plans' assets during the three six months ended March 31, 2024 June 30, 2024 that required the calculation of their fair value as of March 31, 2024 June 30, 2024.

Level 3. Level 3 applies to assets or liabilities for which there are unobservable inputs to the valuation methodology that are significant to the measurement of the fair value of the assets or liabilities. At March 31, 2024 Level 3 input was used to determine the fair value of the Company's Warrants at June 30, 2024 and December 31, 2023, the fair value of the Company's Preferred Stock and Warrants were determined using Level 3 input, at December 31, 2023.

RIBBON COMMUNICATIONS INC. Notes to Condensed Consolidated Financial Statements (Continued) (unaudited)

(6) ACCRUED EXPENSES AND OTHER

Accrued expenses at March 31, 2024 June 30, 2024 and December 31, 2023 consisted of the following (in thousands):

	March 31, 2024	December 31, 2023	June 30, 2024	December 31, 2023
Employee compensation and related costs				
Professional fees				
Taxes payable				
Taxes payable				
Taxes payable				
Other				
	\$			

(7) WARRANTY ACCRUALS

The changes in the Company's accrual balance in the **three** **six** months ended **March 31, 2024** **June 30, 2024** were as follows (in thousands):

Balance at January 1, 2024	\$	12,243
Current period provisions		1,347 2,824
Settlements		(1,334) (2,628)
Balance at March 31, 2024 June 30, 2024	\$	12,256 12,439

(8) RESTRUCTURING AND FACILITIES CONSOLIDATION INITIATIVES

The Company recorded restructuring and related expense aggregating **\$3.1** **1.9** million and **\$6.9** **million** **\$4.3** **million** in the three months ended **March 31, 2024** **June 30, 2024** and 2023, respectively and \$5.0 million and \$11.2 million in the six months ended **June 30, 2024** and 2023, respectively. Restructuring and related expense includes restructuring expense (primarily severance and related costs), estimated future variable lease costs for vacated properties with no intent or ability of sublease, and accelerated rent amortization expense.

For restructuring events that involve lease assets and liabilities, the Company applies lease reassessment and modification guidance and evaluates the right-of-use assets for potential impairment. If the Company plans to exit all or distinct portions of a facility and does not have the ability or intent to sublease, the Company will accelerate the amortization of each of those lease components through the vacate date. The accelerated amortization is recorded as a component of Restructuring and related expense in the Company's condensed consolidated statements of operations. Related variable lease expenses will continue to be expensed as incurred through the vacate date, at which time the Company will reassess the liability balance to ensure it appropriately reflects the remaining liability associated with the premises and record a liability for the estimated future variable lease costs.

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Notes to Condensed Consolidated Financial Statements (Continued)

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Accelerated amortization of lease assets is recognized from the date that the Company commences the plan to fully or partially vacate a facility, for which there is no intent or ability to enter into a sublease, through the final vacate date. Accelerated amortization of lease assets that are included as a component of restructuring and related expense are excluded from the restructuring accrual activity tables below, as the liability for lease payments for these facilities is included as a component of current and noncurrent Operating lease liabilities in the Company's condensed consolidated balance sheets at **March 31, 2024** **June 30, 2024** and December 31, 2023 (see Note 16). The Company may incur additional future expense if it is unable to sublease other locations included in the Company's facilities consolidation initiatives.

Restructuring and related expense for the three **and six** months ended **March 31, 2024** **June 30, 2024** and 2023 was comprised of the following (in thousands):

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	Three months ended		Six months ended	
	Three months ended		Three months ended	
	Three months ended		June 30, 2024	
	March 31, 2024		June 30, 2023	
	March 31, 2024		June 30, 2024	
	March 31, 2024		June 30, 2024	
Severance and related costs				
Severance and related costs				
Severance and related costs				
Variable and other facilities-related costs				
Variable and other facilities-related costs				

Variable and other facilities-related costs	
Accelerated amortization of lease assets due to cease-use	
Accelerated amortization of lease assets due to cease-use	
Accelerated amortization of lease assets due to cease-use	
	\$
	\$
	\$

On February 22, 2023, the Company's Board of Directors approved a strategic restructuring program (the "2023 Restructuring Plan") to streamline the Company's operations in order to support the Company's investment in critical growth areas. The 2023 Restructuring Plan includes, among other things, charges related to a workforce reduction. Any potential positions eliminated in countries outside the United States are subject to local law and consultation requirements.

	Balance at January 1, 2024				Balance at January 1, 2024				
Severance	Balance at January 1, 2024	Initiatives charged to expense	Cash payments	Net transfer to operating lease accounts	Balance at March 31, 2024	Initiatives charged to expense	Cash payments	Net transfer to operating lease accounts	Balance at June 30, 2024

On February 14, 2022, the Company's Board of Directors approved a strategic restructuring program (the "2022 Restructuring Plan") to streamline the Company's operations in order to support the Company's investment in critical growth areas. The 2022 Restructuring Plan includes, among other things, charges related to a consolidation of facilities and a workforce reduction. Any positions eliminated in countries outside the United States are subject to local law and consultation requirements.

	Balance at January 1, 2024	Initiatives charged to expense	Cash payments	Balance at March 31, 2024	Initiatives charged to expense	Cash payments	Balance at June 30, 2024
Variable and other facilities-related costs							
Variable and other facilities-related costs							
Variable and other facilities-related costs							

Notes to Condensed Consolidated Financial Statements (Continued)
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Balance Sheet Classification

The current portions of accrued restructuring were \$1.4 million and \$1.1 million \$1.1 million at March 31, 2024 both June 30, 2024 and December 31, 2023, respectively, and are included as components of Accrued expenses in the condensed consolidated balance sheets. The long-term portions of accrued restructuring are included as components of Other long-term liabilities in the condensed consolidated balance sheets. The long-term portions of accrued restructuring were \$1.0 million and \$1.1 million at March 31, 2024 June 30, 2024 and December 31, 2023, respectively.

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(9) DEBT

2020 2024 Credit Facility

On March 3, 2020 June 21, 2024, the Company entered into a Senior Secured Credit Facilities Credit Agreement (the "2024 Credit Facility" and "2024 Credit Agreement") as guarantor, with the Company's wholly-owned subsidiary, Ribbon Communications Operating Company, Inc., as the borrower (the "Borrower"), HPS Investment Partners, LLC ("HPS"), as administrative agent, and HPS and WhiteHorse Capital Management, LLC ("WhiteHorse" and, together with HPS, the "Lenders"), pursuant to which the Lenders have provided the Company with a \$385 million senior secured credit facility comprised of (i) a \$350 million term loan (the "2024 Term Loan") and (ii) a \$35 million revolving credit facility (the "2024 Revolver"), including a \$20 million sublimit for letters of credit. The proceeds received from the 2024 Term Loan were used to (a) repay 100% of the amounts outstanding under the 2020 Credit Facility, (b) redeem in full the Preferred Stock and (c) pay fees and expenses related to the 2024 Credit Facility. Any excess proceeds are expected to be used by the Company for working capital and other general corporate purposes.

The 2024 Term Loan and the 2024 Revolver bear interest, at the Borrower's option, at either the Alternate Base Rate ("ABR") or Term Secured Overnight Financing Rate ("SOFR") with an Applicable Margin for each (all as defined in the 2024 Credit Agreement). Margins for the first six months are 5.25% per annum for ABR Loans and 6.25% per annum for SOFR Loans. Thereafter, margins vary based on the Company's Consolidated Net Leverage Ratio, ranging from 4.75% to 5.25% per annum for ABR Loans and 5.75% to 6.25% per annum for SOFR Loans. The 2024 Term Loan and the 2024 Revolver will both mature on June 21, 2029. The 2024 Term Loan is to be repaid in equal quarterly installments: approximately \$0.9 million beginning with the third quarter of 2024 through the second quarter of 2025; approximately \$2.2 million beginning with the third quarter of 2025 and ending with the second quarter of 2027; and approximately \$4.4 million quarterly thereafter, with the remaining principal balance of approximately \$298.4 million due on the maturity date of June 21, 2029. In connection with the establishment of the 2024 Credit Facility, \$7.7 million of original issue discount was withheld by the Lenders and the Company incurred \$6.1 million of debt issuance costs for a total of \$13.8 million that is being amortized to Interest expense, net over the term of the agreement.

The 2024 Credit Facility requires compliance with a Maximum Consolidated Net Leverage Ratio (the "Financial Covenant"), as defined in the 2024 Credit Facility and tested on a quarterly basis. The Company was in compliance with the Financial Covenant as of June 30, 2024.

The indebtedness and other obligations under the 2024 Credit Facility are irrevocably and unconditionally guaranteed on a joint and several basis by the Company and its subsidiaries (together, the "Guarantors"). The 2024 Credit Facility is secured on a first-priority basis by a lien on substantially all assets of the Borrower and the Guarantors.

2020 Credit Facility

On June 21, 2024, the Company used the proceeds from the 2024 Credit Facility to, among other things, repay all amounts outstanding under its Senior Secured Credit Facilities Credit Agreement, dated March 3, 2020 (as amended, the "2020 Credit Facility"), by and among the Company, as a guarantor, Ribbon Communications Operating Company, Inc., as the borrower ("Borrower" (the "Borrower")), Citizens Bank, N.A. ("Citizens"), Santander Bank, N.A., and others as lenders ("Lenders"). The proceeds from Company wrote off \$2.0 million of debt issuance costs in conjunction with the Credit Agreement were used, in part, to pay off in full all obligations early extinguishment of the Company under the 2019 2020 Credit Facility.

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Notes to Condensed Consolidated Financial Statements (Continued)

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The 2020 Credit Facility had a maturity date of March 2025 and originally provided for \$500 million of commitments from the Lenders to the Borrower, comprised of \$400 million in term loans (the "2020 Term Loan Facility") and a \$100 million facility available for revolving loans (the "2020 Revolving Credit Facility"). Under the 2020 Revolving Credit Facility, a \$30 million sublimit was originally available for letters of credit and a \$20 million sublimit remains was available for swingline loans.

The indebtedness and other obligations under the 2020 Credit Facility **are were** unconditionally guaranteed on a senior secured basis by the Company, Edgewater Networks, Inc., a wholly-owned subsidiary of the Company, and GENBAND Inc., a wholly-owned subsidiary of the Company (together, the "Guarantors"). The 2020 Credit Facility **is was** secured by first-priority liens on substantially all of the assets of the Borrower and the Guarantors, including substantially all of the assets of the Company.

The 2020 Credit Facility **requires required** compliance with certain financial covenants, including a minimum Consolidated Fixed Charge Coverage Ratio and a maximum Consolidated Net Leverage Ratio (each as defined in the 2020 Credit Facility, and each tested on a quarterly basis).

On August 18, 2020, the Company entered into the First Amendment to the 2020 Credit Facility in which \$75 million of the 2020 Term Loan Facility was assigned from Citizens to a new lender and designated as the Term B Loan. The remaining \$325 million of the 2020 Term Loan Facility was deemed the Term A Loan.

The Term A Loan and the 2020 Revolving Credit Facility mature in March 2025 and originally bore interest at the Borrower's option at either the LIBOR rate plus a margin ranging from 1.50% to 3.50% per year, or the base rate plus 0.50%, or the prime rate plus a margin ranging from 0.50% to 2.50% per year (the "Applicable Margin"). The Applicable Margin varied depending on the Company's Consolidated Net Leverage Ratio (as defined in the 2020 Credit Facility).

The Term B Loan was scheduled to mature in March 2026 and bore interest, at the Borrower's option, at either the LIBOR rate plus a margin of 7.50% per year, or the base rate (the highest of the Federal Funds Effective Rate (as defined in the First Amendment) plus 0.50%, or the prime rate.

On December 1, 2020, the Company entered into the Second Amendment to the 2020 Credit Facility to obtain consent for an equity exchange with AVCT in connection with the sale of our Kandy Communications business, as well as to amend certain other provisions of the 2020 Credit Facility.

On March 3, 2021, the Company entered into the Third Amendment to the 2020 Credit Facility which provided for an incremental term loan facility in the principal amount of \$74.6 million, the proceeds of which were used to consummate an open market purchase of all outstanding amounts under the Term B Loan, resulting in the assignment and immediate cancellation of the Term B Loan, such that the outstanding amount under the Term A Loan and incremental term loan facility were combined and held by the Lenders (the "2020 Term Loan") with the same terms as the Term A Loan. The Company wrote off \$2.5 million of capitalized debt issuance costs in connection with the Third Amendment.

On March 10, 2022, the Company entered into the Fourth Amendment to the 2020 Credit Facility to increase the Maximum Consolidated Net Leverage Ratio (as defined in the 2020 Credit Facility) and in conjunction the Company made a \$15.0 million prepayment that was applied to the final payment due on the maturity date.

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Notes to Condensed Consolidated Financial Statements (Continued)

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On June 30, 2022, the Company entered into the Fifth Amendment to the 2020 Credit Facility (the "Fifth Amendment") to increase the Maximum Consolidated Net Leverage Ratio (as defined in the 2020 Credit Facility) for 2022, with the fourth quarter of 2022 increased to 4.75:1.00, the first and second quarters of 2023 declining to 3.25:1.00, and in all subsequent quarters the ratio was to be fixed at 3.00:1.00. Also, the Fifth Amendment reduced the minimum Consolidated Fixed Charge Coverage Ratio (as defined in the 2020 Credit Facility) in 2022, with the fourth quarter of 2022 reduced to 1.10:1.00 and in all subsequent quarters the ratio was to be fixed at 1.25:1.00. In addition, the Fifth Amendment increased the maximum rate at which loans were to bear interest if the Company's Consolidated Net Leverage Ratio for any quarter was greater than 4.50:1.00. Specifically, loans incurred would bear interest, at the Borrower's option, at either LIBOR plus a margin ranging from 1.50% to 4.50% per year, or the base rate plus 0.50%, or the prime rate plus a margin ranging from 0.50% to 3.50% per year. The Fifth Amendment also allows the Company to incur junior secured or unsecured debt in an amount no less than \$50 million, subject to certain conditions, including the requirement that 50% of the aggregate amount of such incurred debt (net of certain costs, fees and other amounts) must be applied to prepay the 2020 Credit Facility, and compliance with certain leverage ratio-based covenant exceptions. In connection with the Fifth Amendment, the Company made a \$10.0 million voluntary prepayment that was applied to the final payment due on the maturity date. Subsequent to the Fifth Amendment, the Company is required to make quarterly principal payments on the 2020 Term Loan aggregating approximately \$5.0 million per quarter through March 31, 2024 and \$10.0 million in each of the three quarters thereafter, with the remaining and final payment due on the maturity date in March 2025.

On March 24, 2023, the Company entered into the Sixth Amendment to the 2020 Credit Facility (the "Sixth Amendment") effective March 30, 2023. The Sixth Amendment, among other things, increased the Maximum Consolidated Net Leverage Ratio (as defined in the 2020 Credit Facility), **with for** the first, second and third quarters of 2023 **increasing** to 4.50:1.00. In the fourth quarter of 2023 and the first quarter of 2024, the Maximum Consolidated Net Leverage Ratio **declines declined** to 4.25:1.00 and 4.00:1.00, respectively. **In** all subsequent quarters, the Maximum Consolidated Senior Net Leverage Ratio will be fixed at 3.00:1.00 and the Maximum Consolidated Net Leverage Ratio will be fixed at **4.00:1.00**. Also, the Sixth Amendment reduced the minimum Consolidated Fixed Charge Coverage Ratio (as defined in the 2020 Credit Facility) to 1.10:1.00 through the first quarter of 2024 **and in all subsequent quarters the ratio will be fixed at 1.25:1.00, 2024**. The Sixth Amendment reduced the maximum borrowings allowed under the 2020 Revolving Credit Facility from \$100 million to \$75 million and the sublimit available for letters of credit was reduced from \$30 million to \$20 million. In addition, the Sixth Amendment replaced LIBOR with the Secured Overnight Financing Rate ("SOFR") **SOFR** as the alternative rate **that may be used by available to** the Company for calculating interest owed under the 2020 Credit Facility with the margin **now** fixed at 4.5%. In conjunction with the Sixth Amendment, the Company made a \$75 million prepayment that was applied to the final payment due upon maturity in March **2025 of approximately \$200.4 million, 2025**. The \$75 million prepayment was almost entirely funded with the net proceeds from the Private Placement and the sales of our interest rate swap. Debt issuance costs associated with the Sixth Amendment totaled \$1.7 million and **are were** being amortized on a straight-line basis over the remaining life of the 2020 Credit Facility **to Interest expense, net, and were written off in conjunction with the early extinguishment of the 2020 Credit Facility on June 21, 2024**.

The Company's interest rates under the 2020 Term Loan for the **three six** months ended **March 31, 2023 June 30, 2023** benefited from a hedge instrument that was in place, specifically a fixed rate swap, which was sold in March 2023 (see Note 10). As a result of the fixed rate swap sold in March 2023, the ongoing interest rate **is was** based upon U.S.

dollar SOFR plus a fixed margin of 4.5%. The Company was in compliance with all covenants of the 2020 Credit Facility at both March 31, 2024 and December 31, 2023, including the current Consolidated Net Leverage Ratio calculation that considers considered the Company's debt to include Preferred Stock.

The Company had the following outstanding borrowings, unamortized debt issuance costs and original issue discount, letters of credit, interest rates, and remaining borrowing capacity under the 2024 Credit Facility and the 2020 Credit Facility as of March 31, 2024, June 30, 2024 and December 31, 2023, respectively:

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	March 31, 2024	December 31, 2023	June 30, 2024	December 31, 2023
Current portion of Term Debt				
Current portion of Term Debt				
Current portion of Term Debt	\$ 228,168	\$ 35,102	\$ 3,500	\$ 35,102
Long-term Debt, net of Current:				
Long-term Debt, net of Current:				
Long-term Debt, net of Current:				
Long-term Debt, net of Current (Face Amount)				
Long-term Debt, net of Current (Face Amount)				
Long-term Debt, net of Current (Face Amount)	\$ —	\$ 200,293	\$ 346,500	\$ 200,293
Original Issue Discount	(6,961)	—		
Unamortized Debt Issuance Costs - Contra-Liability	—	(2,811)	(5,560)	(2,811)
Long-term Debt, net of Current	\$ —	\$ 197,482	\$ 333,979	\$ 197,482
Total Face Amount of Borrowings				
Total Face Amount of Borrowings	\$ 230,381	\$ 235,395	\$ 350,000	\$ 235,395
Unamortized Debt Issuance Costs:				
Unamortized Debt Issuance Costs:				
Unamortized Debt Issuance Costs:				
Unamortized Original Issue Discount and Debt Issuance Costs:				
Unamortized Original Issue Discount and Debt Issuance Costs:				
Unamortized Original Issue Discount and Debt Issuance Costs:				
Other Assets				
Other Assets				
Other Assets	\$ 439	\$ 557	1,238	557
Current Portion of Term Debt - Contra Liability	2,213	—		
Long-Term Debt - Contra Liability	—	2,811	12,521	2,811
Total Unamortized Debt Issuance Costs	\$ 2,652	\$ 3,368		
Total Unamortized Original Issue Discount and Debt Issuance Costs	\$ 13,759	\$ 3,368		
Letters of Credit Outstanding				
Letters of Credit Outstanding				
Letters of Credit Outstanding	\$ 2,711	\$ 2,711	—	\$ 2,711
Remaining Borrowing Capacity				
Remaining Borrowing Capacity				
Remaining Borrowing Capacity	\$ 72,289	\$ 72,289	\$ 35,000	\$ 72,289
Average Interest Rates:				
Average Interest Rates:				
Average Interest Rates:				

of the changes in the fair value of the hedged asset or liability that are attributable to the hedged risk in a fair value hedge, or the earnings effect of the hedged forecasted transactions in a cash flow hedge. The Company may enter into derivative contracts that are intended to economically hedge certain of its risk even though hedge accounting does not apply or the Company elects not to apply hedge accounting.

Cash Flow Hedge of Interest Rate Risk

The 2024 Term Loan Facility and the 2020 Term Loan Facility had outstanding balances of \$230.4 350.0 million and \$235.4 million at March 31, 2024 June 30, 2024 and December 31, 2023, respectively. The 2024 Revolving Credit Facility and the 2020 Revolving Credit Facility was were undrawn at March 31, 2024 June 30, 2024 and December 31, 2023, respectively. Borrowings under the 2024 Credit Facility and the 2020 Credit Facility have variable interest rates based on LIBOR or SOFR (see Note 9). As a result of exposure to interest rate movements, during March 2020, the Company entered into an interest rate swap arrangement, which effectively converted its \$400 million term loan with its variable interest rate based upon one-month LIBOR to an aggregate fixed rate of 0.904%, plus a leverage-based margin as defined in the 2020 Credit Facility.

On July 22, 2022, the Company sold \$30 million of the notional amount of its interest rate swap back to its counterparty for \$1.5 million, reducing the notional amount of this swap to \$370 million. On August 16, 2022 the Company sold another \$30 million of the notional amount of its interest rate swap back to its counterparty for \$1.6 million, reducing the notional amount to \$340 million, which approximated the current level of our term loan debt then outstanding. The gain in accumulated other comprehensive (loss) income related to the \$60 million notional amount sold of \$3.1 million is was being released into earnings on a straight line basis over the remaining term of the 2020 Credit Facility as a decrease to interest expense until it was refinanced on June 21, 2024, the amortization of which totaled \$0.2 \$0.2 million and \$0.3 0.4 million for the three and six months ended March 31, 2024 June 30, 2024, respectively, and 2023, \$0.2 million and \$0.5 million for the three and six months ended June 30, 2023, respectively. The remaining unamortized gain in accumulated other comprehensive (loss) income of approximately \$0.5 million was written off to interest expense in conjunction with the refinancing of the 2020 Credit Facility on June 21, 2024. See Note 9 for a description of the refinancing.

On March 24, 2023, the Company received \$9.4 million, consisting of \$0.4 million of interest and \$9.0 million for the sale of \$170 million of its \$340 million notional amount interest rate swap back to its counterparty, reducing the notional amount to \$170 million. On March 27, 2023, the Company received \$9.8 million, consisting of \$0.4 million of interest and \$9.4 million for the sale of the remaining \$170 million of its interest rate swap back to its counterparty. The portion of the gain in accumulated other comprehensive (loss) income related to the term loan debt prepaid on the date of the final sale of our swap totaled \$7.3 million and was released into earnings immediately as Other expense, net. The portion of the gain in accumulated other comprehensive (loss) income related to our remaining term loan debt balance was \$12.0 million and is was being released into earnings on a straight line basis over the remaining term of the 2020 Credit Facility as a decrease to interest expense until it was refinanced on June 21, 2024, the amortization of which totaled \$1.6 1.4 million and \$3.0 million for the three and six months ended March 31, 2024 June 30, 2024, respectively, and \$1.6 million for both the three and six months ended June 30, 2023. The remaining unamortized gain in accumulated other comprehensive (loss) income of \$4.4 million was written off to interest expense in conjunction with the refinancing of the 2020 Credit Facility on June 21, 2024. See Note 9 for a description of the refinancing.

The Company's objectives in using interest rate derivatives have been to add stability to interest expense and to manage its exposure to interest rate movements. To accomplish this objective, the Company has used an interest rate swap as part of its

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interest rate risk management strategy. Interest rate swaps designated as cash flow hedges involve the receipt of variable amounts from a counterparty in exchange for the Company making fixed-rate payments over the life of the related agreements without exchange of the underlying notional amount.

The effective portion of changes in the fair value of designated derivatives that qualify as cash flow hedges is recorded in accumulated other comprehensive income in the condensed consolidated balance sheet and is subsequently reclassified into earnings in the period that the hedged forecasted transactions affect earnings. During the three and six months ended March 31, 2023 June 30, 2023, such a derivative was used to hedge the variable cash flows associated with the outstanding borrowings under the 2020 Credit Facility and the Company has accounted for this derivative as an effective hedge until the final portion of the swap was sold on March 27, 2023. Any ineffective portion of the change in the fair value of the derivative was would have been recognized directly in earnings. However, there was no hedge ineffectiveness recorded over the life of the swap.

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Amounts reported in accumulated other comprehensive income related to the Company's derivative are reclassified to interest expense as interest is accrued on the Company's variable-rate debt. The impact of the Company's derivative financial instrument on its condensed consolidated statements of comprehensive (loss) income for the three and six months ended March 31, 2024 June 30, 2024 and 2023 was as follows, net of tax (in thousands):

	Three months ended
	Three months ended

	Three months ended	Six months ended
	June 30,	June 30,
	2024	2023
	June 30,	June 30,
	2024	2023
	Three months ended	
Gain (loss) recognized in other comprehensive income (loss) on swap, net of tax		
Gain (loss) recognized in other comprehensive income (loss) on swap, net of tax		
Gain (loss) recognized in other comprehensive income (loss) on swap, net of tax		
Amount reclassified from accumulated other comprehensive income to other expense, net upon sale of swap, net of tax		
Amount reclassified from accumulated other comprehensive income to other expense, net upon sale of swap, net of tax		
Amount reclassified from accumulated other comprehensive income to other expense, net upon sale of swap, net of tax		
Amount reclassified from accumulated other comprehensive income to interest expense		
Amount reclassified from accumulated other comprehensive income to interest expense		
Amount reclassified from accumulated other comprehensive income to interest expense		
Unrealized gain (loss) on interest rate swap, net of reclassifications and amortization		
Unrealized gain (loss) on interest rate swap, net of reclassifications and amortization		
Unrealized gain (loss) on interest rate swap, net of reclassifications and amortization		

The Company had no derivative assets or liabilities at **March 31, 2024** **June 30, 2024** or December 31, 2023.

(11) PREFERRED STOCK AND WARRANTS

On March 28, 2023, the Company issued 55,000 shares of Preferred Stock to investors in the Private Placement at a price of \$970 per share, along with 4,858,090 Warrants with an exercise price of \$3.77 per share.

On June 25, 2024, the Company redeemed the Preferred Stock with a portion of the proceeds from the refinancing of the 2020 Credit Facility at a rate of 103% for a total of approximately \$63.5 million. The Warrants remain outstanding and without modification. See Note 9 for a description of the refinancing of the 2020 Credit Facility.

The Company **accounts accounted** for the Preferred Stock **until it was redeemed and continues to account for the** Warrants as liability-classified instruments based on an assessment of their specific terms in accordance with ASC Topic 480, *Distinguishing Liabilities from Equity*. The fair value option was elected for the Preferred Stock, as the Company **considers considered** fair value to best reflect its expected future economic value. These liabilities are remeasured to fair value at each reporting date using the same valuation methodology applied upon issuance using current input assumptions.

The value of the Preferred Stock **is was** calculated **quarterly through March 31, 2024** using the Black-Derman-Toy (BDT) stochastic yield lattice model to capture the optimal timing of repayment, increasing dividend rate and other features and the value of the Warrants is calculated **quarterly** using the Black-Scholes Pricing Model.

RIBBON COMMUNICATIONS INC. Notes to Condensed Consolidated Financial Statements (Continued) (unaudited)

Changes in the fair value of the Preferred Stock and **the** Warrants are reported as Other expense, net in the Company's condensed consolidated statements of operations.

The Company determined the fair value of the **Preferred Stock and** Warrants using Level 3 input. The key assumptions into the **models model** utilized **were was** as follows as of **March 31, 2024** **June 30, 2024**:

	Preferred Stock (BDT)
Face value per share	\$1,000
Interest payments per year	4
Dividend rate - year 1 (paid in-kind)	9.25%
Dividend rate - year 2 (paid in-kind or in cash at the Company's choice)	9.75%
Dividend rate - thereafter (paid in cash)	12.00%
Yield volatility	25.0%
Time to maturity (in years)	1.5

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Notes to Condensed Consolidated Financial Statements (Continued)
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	Warrants (Black-Scholes)
Stock price	\$3.20 3.29
Strike price	\$3.77
Risk-free rate	4.35% 4.52%
Volatility	59.2% 61.5%
Dividend yield	0.0%
Time to expiration (years)	3.0 2.8
Fair value of Warrant per share	\$1.27

The changes in the Company's Preferred Stock and Warrant liabilities for the three six months ended March 31, 2024 June 30, 2024 were as follows (in thousands):

	Preferred stock liability
Balance at January 1, 2024	\$ 53,337
Payable in-kind dividends	1,355 2,743
Fair Reversal of fair value change adjustments	1,512 5,605
Call premium (3%)	1,851
Redemption (June 25, 2024)	\$ (63,536)
Balance at March 31, 2024 June 30, 2024	\$ 56,204 —

	Warrant liability
Balance at January 1, 2024	\$ 5,295
Fair value change	632 875
Balance at March 31, 2024 June 30, 2024	\$ 5,927 6,170

The Preferred Stock, is redeemed on June 25, 2024, was subordinate to Company the Company's indebtedness and senior to the Company's common stock or other equity. Holders of the Preferred Stock are were entitled to cumulative dividends that accrue quarterly through the September 30, 2025 maturity date. accrued quarterly. Dividends are were payable in-kind during the first year at a rate of 9.25%. At the Company's option, the dividends are were payable in-kind or in cash during the second year at a rate of 9.75%. Dividends thereafter are were to be payable in cash at a rate of 12.00%. The proceeds from the Preferred Stock issuance were approximately \$53.4 million, including \$10.0 million from existing related party stockholders. Offering costs paid by the Company of approximately \$3.5 million were recorded in Other expense, net in the year ended December 31, 2023. The net proceeds from the Private Placement were used for the repayment of debt. The Preferred Stock is was redeemable on or after the first and second anniversaries of the closing date at a rate of 103% and 102%, respectively.

The Warrants, which expire March 30, 2027, are immediately exercisable and upon an event such as a merger, consolidation, asset sale or similar change of control, may be exercised and the holders may vote the underlying shares of common stock. In connection with the Private Placement, the Company provided the investors with certain registration rights relating to the Preferred Stock, the Warrants and the shares of the Company's common stock underlying the Warrants, that

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
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required the Company to file a registration statement on Form S-3 with the SEC within 30 days following the closing date of the Private Placement. The registration requirement was completed on May 19, 2023.

(12) REVENUE RECOGNITION

The Company derives revenue from two primary sources: products and services. Product revenue includes the Company's hardware and software that function together to deliver the products' essential functionality. Software and hardware are also sold on a standalone basis. Services include customer support (software updates, upgrades and technical support), consulting, design services, installation services and training. Generally, contracts with customers contain multiple performance obligations, consisting of products and services. For these contracts, the Company accounts for individual performance

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
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obligations separately if they are considered distinct.

When an arrangement contains more than one performance obligation, the Company will allocate the transaction price to each performance obligation on a relative standalone selling price basis. The Company utilizes the observable price of goods and services when they are sold separately to similar customers in order to estimate standalone selling price.

The Company's software licenses typically provide a perpetual right to use the Company's software. The Company also sells term-based software licenses that expire and Software-as-a-Service ("SaaS")-based software which are referred to as subscription arrangements. The Company does not customize its software nor are installation services required, as the customer has a right to utilize internal resources or a third-party service company. The software and hardware are delivered before related services are provided and are functional without professional services or customer support. The Company has concluded that its software licenses are functional intellectual property that are distinct, as the user can benefit from the software on its own. Product revenue is typically recognized upon transfer of control or when the software is made available for download, as this is the point the user of the software can direct the use of, and obtain substantially all of the remaining benefits from, the functional intellectual property. The Company begins to recognize software revenue related to the renewal of subscription software licenses at the start of the subscription period.

The Company offers warranties on its products. Certain of the Company's warranties are considered to be assurance-type in nature, ensuring the product is functioning as intended. Assurance-type warranties do not represent separate performance obligations. The Company also sells separately-priced maintenance service contracts which qualify as service-type warranties and represent separate performance obligations. The Company does not allow and has no history of accepting product returns.

Services revenue includes revenue from customer support and other professional services. Customer support includes software updates on a when-and-if-available basis, telephone support, integrated web-based support and bug fixes or patches. The Company sells its customer support contracts at a percentage of list or net product price. Customer support revenue is recognized ratably over the term of the customer support agreement, which is typically one year.

The Company's professional services include consulting, technical support, resident engineer services, design services and installation services. Because control transfers over time, revenue is recognized based on progress toward completion of the performance obligation. The method to measure progress toward completion requires judgment and is based on the nature of the products or services to be provided. The Company generally uses the input method to measure progress for its contracts because it believes such method best depicts the transfer of assets to the customer, which occurs as the Company incurs costs for the contracts. However, in some instances, the Company uses the output method because it best depicts the transfer of asset to the customer. Under the cost-to-cost measure of progress, the progress toward completion is measured based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligation. When the measure of progress is based upon expended labor, progress toward completion is measured as the ratio of labor time expended to date versus the total estimated labor time required to complete the performance obligation. Revenue is recorded proportionally as costs are incurred or as labor is expended. Costs to fulfill these obligations include internal labor as well as subcontractor costs.

Customer training includes courses offered by the Company. The related revenue is typically recognized as the training services are performed.

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The Company's typical performance obligations include the following:

Performance Obligation	When Performance Obligation is Typically Satisfied	When Payment is Typically Due
Software and Product Revenue		
Software licenses (perpetual or term)	Upon transfer of control; typically, when made available for download (point in time)	Generally, within 30 days of invoicing except for term licenses, which may be paid for over time
Software licenses (subscription)	Upon activation of hosted site (over time)	Generally, within 30 days of invoicing
Hardware	When control of the hardware passes to the customer; typically, upon delivery (point in time)	Generally, within 30 days of invoicing
Software upgrades	Upon transfer of control; typically, when made available for download (point in time)	Generally, within 30 days of invoicing
Customer Support Revenue		
Customer support	Ratably over the course of the support contract (over time)	Generally, within 30 days of invoicing
Professional Services		
Other professional services (excluding training services)	As work is performed (over time)	Generally, within 30 days of invoicing (upon completion of services)
Training	When the class is taught (point in time)	Generally, within 30 days of services being performed

Significant Judgments

The Company's contracts with customers often include promises to transfer multiple products and services to the customer. Determining whether products and services are considered distinct performance obligations that should be accounted for separately versus together may require significant judgment.

Judgment is required to determine the standalone selling price ("SSP") for each distinct performance obligation. The Company typically has more than one SSP for individual products and services due to the stratification of those products and services by customers and circumstances. In these instances, the Company may use information such as the size of the customer and geographic region in determining the SSP.

Deferred Revenue

Deferred revenue is a contract liability representing amounts collected from or invoiced to customers in excess of revenue recognized. This results primarily from the billing of annual customer support agreements where the revenue is recognized over the term of the agreement. The value of deferred revenue will increase or decrease based on the timing of recognition of revenue.

Disaggregation of Revenue

The Company disaggregates its revenue from contracts with customers based on the nature of the products and services and the geographic regions in which each customer is domiciled. The Company's revenue for the three and six months ended March 31, 2024 and 2023 was disaggregated as follows:

June

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	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
Three months ended March 31, 2024				
United States	\$ 26,607	\$ 32,847	\$ 11,660	\$ 71,114
Europe, Middle East and Africa	41,689	17,696	7,698	67,083
Asia Pacific	16,633	10,241	2,927	29,801
Other	2,681	7,597	1,388	11,666
	<u>\$ 87,610</u>	<u>\$ 68,381</u>	<u>\$ 23,673</u>	<u>\$ 179,664</u>

30, 2024 and 2023 was disaggregated as follows:

	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
Three months ended June 30, 2024				
United States	\$ 35,368	\$ 32,639	\$ 13,462	\$ 81,469

Europe, Middle East and Africa	33,239	17,491	8,188	58,918
Asia Pacific	26,081	9,759	2,597	38,437
Other	4,445	7,631	1,720	13,796
	<u>\$ 99,133</u>	<u>\$ 67,520</u>	<u>\$ 25,967</u>	<u>\$ 192,620</u>

Three months ended June 30, 2023	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
United States	\$ 53,545	\$ 33,890	\$ 11,842	\$ 99,277
Europe, Middle East and Africa	28,831	17,998	7,679	54,508
Asia Pacific	31,810	10,164	2,269	44,243
Other	3,161	7,576	1,853	12,590
	<u>\$ 117,347</u>	<u>\$ 69,628</u>	<u>\$ 23,643</u>	<u>\$ 210,618</u>

Six months ended June 30, 2024	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
United States	\$ 61,975	\$ 65,486	\$ 25,122	\$ 152,583
Europe, Middle East and Africa	74,928	35,187	15,886	126,001
Asia Pacific	42,714	20,000	5,524	68,238
Other	7,126	15,228	3,108	25,462
	<u>\$ 186,743</u>	<u>\$ 135,901</u>	<u>\$ 49,640</u>	<u>\$ 372,284</u>

Three months ended March 31, 2023	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
Six months ended June 30, 2023	Product revenue	Service revenue (maintenance)	Service revenue (professional services)	Total revenue
United States				
Europe, Middle East and Africa				
Asia Pacific				
Other				
	<u>\$</u>			

The Company's product revenue from indirect sales through its channel partner program and from its direct sales program for the three and six months ended March 31, 2024 June 30, 2024 and 2023 was as follows (in thousands):

	Three months ended	Three months ended	Six months ended
	Three months ended		
	Three months ended		
	March 31, 2024		
	March 31, 2024		
	March 31, 2024		
Indirect sales through channel partner program			
Indirect sales through channel partner program			
	June 30, 2024	June 30, 2023	June 30, 2024
Indirect sales through channel partner program			
Direct sales			
Direct sales			
Direct sales			
	<u>\$</u>		
	<u>\$</u>		
	<u>\$</u>		

The Company's product revenue from sales to enterprise customers and from sales to service provider customers for the three and six months ended **March 31, 2024** **June 30, 2024** and 2023 was as follows (in thousands):

	Three months ended	
	March 31, 2024	March 31, 2023
Sales to enterprise customers	\$ 37,870	\$ 27,412
Sales to service provider customers	49,740	65,906
	<u>\$ 87,610</u>	<u>\$ 93,318</u>

The Company's product revenue and service revenue components by segment for the three months ended March 31, 2024 and 2023 were as follows (in thousands):

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	Three months ended	
	March 31, 2024	March 31, 2023
Product revenue:		
Cloud and Edge	\$ 31,513	\$ 42,839
IP Optical Networks	56,097	50,479
Total product revenue	<u>\$ 87,610</u>	<u>\$ 93,318</u>
Service revenue:		
Maintenance:		
Cloud and Edge	\$ 53,196	\$ 54,810
IP Optical Networks	15,185	15,778
Total maintenance revenue	<u>68,381</u>	<u>70,588</u>
Professional services:		
Cloud and Edge	16,960	16,831
IP Optical Networks	6,713	5,422
Total professional services revenue	<u>23,673</u>	<u>22,253</u>
Total service revenue	<u>\$ 92,054</u>	<u>\$ 92,841</u>

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Sales to enterprise customers	\$ 38,040	\$ 37,707	\$ 75,910	\$ 65,119
Sales to service provider customers	61,093	79,640	110,833	145,546
	<u>\$ 99,133</u>	<u>\$ 117,347</u>	<u>\$ 186,743</u>	<u>\$ 210,665</u>

The Company's product revenue and service revenue components by segment for the three and six months ended June 30, 2024 and 2023 were as follows (in thousands):

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Product revenue:				
Cloud and Edge	\$ 39,586	\$ 52,352	\$ 71,099	\$ 95,191
IP Optical Networks	59,547	64,995	115,644	115,474
Total product revenue	<u>\$ 99,133</u>	<u>\$ 117,347</u>	<u>\$ 186,743</u>	<u>\$ 210,665</u>

Service revenue:				
Maintenance:				
Cloud and Edge	\$ 52,663	\$ 55,034	\$ 105,859	\$ 109,844
IP Optical Networks	14,857	14,594	30,042	30,372
Total maintenance revenue	67,520	69,628	135,901	140,216
Professional services:				
Cloud and Edge	18,306	17,870	35,266	34,701
IP Optical Networks	7,661	5,773	14,374	11,195
Total professional services revenue	25,967	23,643	49,640	45,896
Total service revenue	\$ 93,487	\$ 93,271	\$ 185,541	\$ 186,112

Revenue Contract Balances

The timing of revenue recognition, billings and cash collections results in billed accounts receivable; unbilled receivables, which are contract assets; and customer advances and deposits, which are contract liabilities, in the Company's condensed consolidated balance sheets. Amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones. Completion of services and billing may occur subsequent to revenue recognition, resulting in contract assets. The Company may receive advances or deposits from its customers before revenue is recognized, resulting in contract liabilities that are classified as deferred revenue. These assets and liabilities are reported in the Company's condensed consolidated balance sheets on a contract-by-contract basis as of the end of each reporting period. Changes in the contract asset and liability balances during the three six months ended March 31, 2024 June 30, 2024 were not materially impacted by any factors other than billing and revenue recognition. Nearly all of the Company's deferred revenue balance is related to services revenue, primarily customer support contracts. Unbilled receivables stem primarily from engagements where services have been performed; however, billing cannot occur until services are completed.

In some arrangements, the Company allows customers to pay for term-based software licenses and products over the term of the software license. The Company also sells SaaS-based software under subscription arrangements, with payment terms over the term of the SaaS agreement. Amounts recognized as revenue in excess of amounts billed are recorded as unbilled receivables. Unbilled receivables that are anticipated to be invoiced in the next twelve months are included in Accounts receivable on the Company's condensed consolidated balance sheets. The changes in the Company's accounts receivable, unbilled receivables and deferred revenue balances for the three six months ended March 31, 2024 June 30, 2024 were as follows (in thousands):

	Accounts receivable	Unbilled accounts receivable	Deferred revenue (current)	Deferred revenue (long-term)
Balance at January 1, 2024	\$ 186,938	\$ 81,483	\$ 113,381	\$ 19,218
Increase (decrease), net	(43,634)	(12,289)	(2,785)	(5,199)
Balance at March 31, 2024	\$ 143,304	\$ 69,194	\$ 110,596	\$ 14,019

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Notes to Condensed Consolidated Financial Statements (Continued) (unaudited)

	Accounts receivable	Unbilled accounts receivable	Deferred revenue (current)	Deferred revenue (long-term)
Balance at January 1, 2024	\$ 186,938	\$ 81,483	\$ 113,381	\$ 19,218
Increase (decrease), net	(42,102)	(15,365)	(13,834)	(2,586)
Balance at June 30, 2024	\$ 144,836	\$ 66,118	\$ 99,547	\$ 16,632

The Company recognized approximately \$51.78 million of revenue in the three six months ended March 31, 2024 June 30, 2024 that was recorded as deferred revenue at December 31, 2023 and approximately \$48 million \$71 million of revenue in the three six months ended March 31, 2023 June 30, 2023 that was recorded as deferred revenue at December 31, 2022. Of the Company's deferred revenue reported as long-term in its condensed consolidated balance sheet at March 31, 2024 June 30, 2024, the Company expects that approximately \$7.6 million will be recognized as revenue in 2025, approximately \$4 million \$6 million will be recognized as revenue in 2026 and approximately \$3.5 million will be recognized as revenue in 2027 and beyond.

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All freight-related customer invoicing is recorded as revenue, while the shipping and handling costs that occur after control of the promised goods or services transfer to the customer are reported as fulfillment costs, a component of Cost of revenue - product in the Company's condensed consolidated statements of operations.

Deferred Commissions Cost

Sales commissions earned by the Company's employees are considered incremental and recoverable costs of obtaining a contract with a customer. These costs have been deferred on our condensed consolidated balance sheet and are being amortized over the expected life of the customer contract, which is generally five years. At both March 31, 2024 June 30, 2024 and December 31, 2023, the Company had \$3.0 million\$3 million of deferred sales commissions capitalized.

(13) OPERATING SEGMENT INFORMATION

The Company has two reportable segments, which are intended to align with the manner in which the business is managed: Cloud and Edge, and IP Optical Networks.

The Cloud and Edge segment provides secure and reliable software and hardware products, solutions and services for enabling Voice over Internet Protocol ("VoIP") communications, Voice over Long-Term Evolution ("VoLTE") and Voice Over 5G ("VoNR") communications, and Unified Communications and Collaboration ("UC&C") within service provider and enterprise networks and from the cloud. The Cloud and Edge products are increasingly software-centric and cloud-native for deployment on private, public or hybrid cloud infrastructures, in data centers, on enterprise premises and within service provider networks. Ribbon's Cloud and Edge product portfolio consists primarily of its Session Border Controller ("SBC") products and its Network Transformation products.

The IP Optical Networks segment provides high-performance, secure solutions for IP networking and optical transport, supporting wireless networks including 5G, metro and edge aggregation, core networking, data center interconnect, legacy transformation and transport solutions for wholesale carriers. This portfolio is offered to service provider, enterprise and industry verticals with critical transport network infrastructures including utilities, government, defense, transportation, and education and research.

The Company has not provided segment asset information as such information is not provided to the CODM and accordingly, asset information is not used in assessing segment performance. Segment revenue and expenses included in the tables below represent direct revenue and expense attributable to each segment. Please see Note 4 for information regarding the allocation of goodwill between segments.

The CODM utilizes revenue and adjusted gross profit to measure and assess each segment's performance. The Company calculates adjusted gross profit by excluding from cost of revenue: amortization of acquired technology, stock-based compensation, and may also exclude other items in future periods that the Company believes are not part of the Company's core business. Adjusted gross profit is not a financial measure determined in accordance with U.S. GAAP, may not be comparable

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to similarly titled measures used by other companies, and should not be considered a substitute for gross profit or other results reported in accordance with U.S. GAAP. See below for a reconciliation of adjusted gross profit to gross profit which is the most directly comparable U.S. GAAP measure.

The tables below provide revenue, adjusted gross profit and depreciation expense by reportable segment for the three and six months ended March 31, 2024 June 30, 2024 and 2023 (in thousands):

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	Three months ended		Three months ended		Six months ended
	Three months ended				
	Three months ended				
	March 31,				
	2024				
	March 31,				
	2024				
	March 31,				
	2024				

Segment revenue:				
Segment revenue:				
	June 30,	June 30,	June 30,	June 30,
	2024	2023	2024	2023
Segment revenue:				
Cloud and Edge				
Cloud and Edge				
Cloud and Edge				
IP Optical Networks				
IP Optical Networks				
IP Optical Networks				
Revenue				
Revenue				
Revenue				
	Three months ended			
	Three months ended			
	Three months ended		Six months ended	
	March 31,			
	2024			
	March 31,			
	2024			
	March 31,			
	2024			
Segment adjusted gross profit:				
Segment adjusted gross profit:				
	June 30,	June 30,	June 30,	June 30,
	2024	2023	2024	2023
Segment adjusted gross profit:				
Cloud and Edge				
Cloud and Edge				
Cloud and Edge				
IP Optical Networks				
IP Optical Networks				
IP Optical Networks				
Total segment adjusted gross profit				
Total segment adjusted gross profit				
Total segment adjusted gross profit				
Stock-based compensation expense				
Stock-based compensation expense				
Stock-based compensation expense				
Amortization of acquired technology				
Amortization of acquired technology				
Amortization of acquired technology				
Gross profit				
Gross profit				
Gross profit				
	Three months ended		Three months ended	Six months ended
	Three months ended			
	Three months ended			

	March 31, 2024			
	March 31, 2024			
	March 31, 2024			
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Segment depreciation expense:				
Segment depreciation expense:				
Segment depreciation expense:				
Cloud and Edge				
Cloud and Edge				
Cloud and Edge				
IP Optical Networks				
IP Optical Networks				
IP Optical Networks				
Depreciation expense				
Depreciation expense				
Depreciation expense				

(14) MAJOR CUSTOMERS

The following customer contributed 10% or more of the Company's revenue in the three and six months ended March 31, 2024 June 30, 2024 and 2023:

	Three months ended	
	March 31, 2024	March 31, 2023
Verizon Communications Inc.	*	11%
* Less than 10% of total revenue.		

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Verizon Communications Inc.	12%	11%	11%	11%

At March 31, 2024 June 30, 2024 and December 31, 2023, no customer accounted for 10% or more of the Company's accounts receivable balance. The Company performs ongoing credit evaluations of its customers and generally does not require collateral on accounts receivable. The Company maintains an allowance for doubtful accounts and such losses have historically been within management's expectations.

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
(unaudited)

(15) STOCK-BASED COMPENSATION PLANS

The Company grants stock-based compensation to employees, officers and non-employee directors, as well as consultants and advisors of the Company and its subsidiaries under its Amended and Restated 2019 Incentive Award Plan which provides for the award of stock options, stock appreciation rights, restricted stock awards ("RSAs"), performance-based stock awards,

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
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restricted stock units ("RSUs"), performance-based stock units ("PSUs") and other stock- or cash-based awards.

Executive Equity Arrangements

Inducement Awards

In connection with his appointment as President and Chief Executive Officer of Ribbon on March 16, 2020, the Company awarded Bruce McClelland sign-on equity grants, comprised of RSUs and a PSU grant with both market and service conditions. As of March 31, 2024 June 30, 2024, the Company estimates that the market conditions surrounding the PSUs granted will not be met by the expiration date of September 1, 2024.

Performance-Based Stock Grants

In addition to granting RSAs and RSUs to its executives and certain of its employees, the Company also grants PSUs to certain of its executives and certain other employees. Vesting periods for RSAs, RSUs, and PSUs granted range from one to three years. PSUs granted consist of 60% that have both performance and service conditions (the "Performance PSUs") and 40% that have both market and service conditions (the "Market PSUs"). Each Performance PSU is comprised of three consecutive fiscal year performance periods beginning in the year of grant, with one-third of the Performance PSUs attributable to each fiscal year performance period. The Market PSUs have one three-year performance period, beginning January 1 in the year of grant and ending on December 31, three years thereafter. The number of shares of common stock underlying the PSUs that can be earned will not exceed 200% of the Performance or Market PSUs. Shares subject to PSUs that fail to be earned will be forfeited.

Restricted Stock Units

The activity related to the Company's RSUs for the three six months ended March 31, 2024 June 30, 2024 was as follows:

	Shares	Shares	Weighted Average Grant Date Fair Value	Shares	Weighted Average Grant Date Fair Value
Unvested balance at January 1, 2024					
Granted					
Vested					
Vested					
Vested					
Forfeited					
Unvested balance at March 31, 2024					
Unvested balance at June 30, 2024					

The total grant date fair value of shares of restricted stock underlying RSUs that vested during the three six months ended March 31, 2024 June 30, 2024 was \$4.5 million \$10.7 million.

Performance-Based Stock Units

The activity related to the Company's PSUs for the three six months ended March 31, 2024 June 30, 2024 was as follows:

	Shares	Weighted Average Grant Date Fair Value
Unvested balance at January 1, 2024	6,297,931	\$ 2.07
Granted	—	\$ —
Vested	(31,282)	\$ 6.40
Forfeited	(280,304)	\$ 9.40
Unvested balance at March 31, 2024	5,986,345	\$ 1.70

	Shares	Weighted Average Grant Date Fair Value
Unvested balance at January 1, 2024	6,297,931	\$ 2.07
Granted	1,338,985	\$ 4.32
Vested	(288,672)	\$ 3.14
Forfeited	(619,168)	\$ 5.82
Unvested balance at June 30, 2024	6,729,076	\$ 2.13

The total grant date fair value of shares of restricted stock underlying PSUs that vested during the three six months ended March 31, 2024 June 30, 2024 was \$0.2 million \$0.9 million.

Stock-Based Compensation

The condensed consolidated statements of operations include stock-based compensation for the three and six months ended March 31, 2024 June 30, 2024 and 2023 as follows (in thousands):

	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Product cost of revenue				
Product cost of revenue				
Product cost of revenue				
Service cost of revenue				
Service cost of revenue				
Service cost of revenue				
Research and development				
Research and development				
Research and development				
Sales and marketing				
Sales and marketing				
Sales and marketing				
General and administrative				
General and administrative				
General and administrative				
	\$			
	\$			
	\$			

At March 31, 2024 June 30, 2024, there was \$13.4 19.0 million, net of expected forfeitures, of unrecognized stock-based compensation expense related to unvested RSUs and PSUs. This expense is expected to be recognized over a weighted average period of approximately one year.

(16) LEASES

The Company has operating leases for corporate offices and research and development facilities and has historically had finance leases for certain equipment. Operating leases are reported separately in the Company's condensed consolidated balance sheets. Assets acquired under finance leases, if any, are included in Property and equipment, net, in the condensed consolidated balance sheets.

The Company determines if an arrangement is a lease at inception. A contract is determined to contain a lease component if the arrangement provides the Company with a right to control the use of an identified asset. Lease agreements may include lease and non-lease components. In such instances for all classes of underlying assets, the Company does not separate lease and non-lease components but rather, accounts for the entire arrangement under leasing guidance. Leases with an initial term of 12 months or less are not recorded on the balance sheet and lease expense for these leases is recognized on a straight-line basis over the lease term.

Right-of-use assets and lease liabilities are initially measured based on the present value of the future minimum fixed lease payments (i.e., fixed payments in the lease contract) over the lease term at the commencement date. As the Company's existing leases do not have a readily determinable implicit rate, the Company uses its incremental borrowing rate based on the information available at the commencement date in determining the present value of future minimum fixed lease payments. The Company calculates its incremental

borrowing rate to reflect the interest rate that it would have to pay to borrow on a collateralized basis an amount equal to the lease payments in a similar economic environment over a similar term and considers its historical borrowing activities and market data from entities with comparable credit ratings in this determination. The

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Notes to Condensed Consolidated Financial Statements (Continued)
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measurement of the right-of-use asset also includes any lease payments made prior to the commencement date (excluding any lease incentives) and initial direct costs incurred. The Company assessed its right-of-use assets for impairment as of March 31, 2024 June 30, 2024 and December 31, 2023 and determined no impairment has occurred.

Lease terms may include options to extend or terminate the lease and the Company incorporates such options in the lease term when it has the unilateral right to make such an election and it is reasonably certain that the Company will exercise that option. In making this determination, the Company considers its prior renewal and termination history and planned usage of the assets under lease, incorporating expected market conditions.

For operating leases, lease expense for minimum fixed lease payments is recognized on a straight-line basis over the lease

RIBBON COMMUNICATIONS INC.
Notes to Condensed Consolidated Financial Statements (Continued)
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term. The expense for finance leases includes both interest and amortization expense components, with the interest component calculated based on the effective interest method and the amortization component calculated based on straight-line amortization of the right-of-use asset over the lease term. Lease contracts may contain variable lease costs, such as common area maintenance, utilities and tax reimbursements that vary over the term of the contract. Variable lease costs are not included in minimum fixed lease payments and as a result, are excluded from the measurement of the right-of-use assets and lease liabilities. The Company expenses all variable lease costs as incurred.

Certain leased facilities are being partially or fully vacated as part of the 2022 Restructuring Plan and for some of those facilities, the Company has no plans to enter into sublease agreements. Accordingly, the Company accelerated the amortization of those lease assets through the planned cease-use date of each facility, resulting in additional amortization expense \$0.2 \$0.4 million and \$0.6 million, respectively, in the three and six months ended March 31, 2023 June 30, 2023. No such accelerated amortization was recorded in the three and six months ended March 31, 2024 June 30, 2024. The Company did not record estimated future variable lease costs in the three and six months ended March 31, 2024 June 30, 2024 or 2023 related to the 2022 Restructuring Plan.

All incremental accelerated amortization and accruals for estimated future variable costs are included in Restructuring and related expense in the Company's condensed consolidated statements of operations. At March 31, 2024 June 30, 2024 and December 31, 2023, the Company had accruals of \$1.4 1.3 million and \$1.5 million, respectively, for all future anticipated variable lease costs related to these facilities. The Company may incur additional future expense if it is unable to sublease other locations included in the Facilities Initiative.

The Company leases its corporate offices and other facilities under operating leases, which expire at various times through 2033.

The Company's right-of-use lease assets and lease liabilities at March 31, 2024 June 30, 2024 and December 31, 2023 were as follows (in thousands):

	Classification	March 31, 2024	December 31, 2023		Classification	June 30, 2024	December 31, 2023
Assets:							
Operating lease assets							
Operating lease assets							
Operating lease assets							
Liabilities:							
Liabilities:							
Liabilities:							
Current Operating							
Current Operating							
Current Operating							
Non-Current Operating							
Total Operating lease liabilities							

The components of lease expense for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands):

	Three months ended	
	March 31, 2024	March 31, 2023
Operating lease cost*	\$ 4,199	\$ 4,760
Short-term lease cost	3,441	3,427
Variable lease costs (costs excluded from minimum fixed lease payments)**	855	802
Sublease income	(260)	(430)
Net lease cost	\$ 8,235	\$ 8,559

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Notes to Condensed Consolidated Financial Statements (Continued)
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	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
Operating lease cost*	\$ 4,107	\$ 4,737	\$ 8,306	\$ 9,497
Short-term lease cost	3,413	3,663	6,854	7,090
Variable lease costs (costs excluded from minimum fixed lease payments)**	828	904	1,683	1,706
Sublease income	(217)	(393)	(477)	(823)
Net lease cost	\$ 8,131	\$ 8,911	\$ 16,366	\$ 17,470

* No accelerated amortization was recorded in the three and six months ended March 31, 2024 June 30, 2024. Operating lease costs for the three and six months ended March 31, 2023 June 30, 2023 included \$0.2 \$0.4 million and \$0.6 million, respectively, of accelerated amortization for certain assets partially or fully vacated with no intent or ability to sublease.

** No variable lease costs were accrued in the three and six months ended March 31, 2024 June 30, 2024 or 2023 for future estimated variable expenses related to certain assets partially or fully vacated with no intent or ability to sublease.

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Notes to Condensed Consolidated Financial Statements (Continued)
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Cash flows related to the Company's leases in both the three months ended March 31, 2024 and 2023 were included in the measurement of operating lease liabilities and were classified as operating cash flows and each totaled \$4.8 \$9.4 million, and \$9.6 million in the six months ended June 30, 2024 and 2023, respectively.

Other information related to the Company's leases as of March 31, 2024 June 30, 2024 and December 31, 2023 was as follows:

	March 31, 2024	December 31, 2023	June 30, 2024	December 31, 2023
Weighted average remaining lease term (years):				
Operating leases				
Operating leases				
Operating leases	5.45	5.50	5.45	5.50
Weighted average discount rate:				
Weighted average discount rate:				
Weighted average discount rate:				
Operating leases				
Operating leases				
Operating leases	7.04 %	6.34 %	7.15 %	6.34 %

Future minimum fixed lease payments under noncancelable leases at March 31, 2024 June 30, 2024 were as follows (in thousands):

leases
leases
leases

Remainder of 2024
Remainder of 2024
Remainder of 2024
2025
2025
2025
2026
2026
2026
2027
2027
2027
2028
2028
2028
2029
2029
2029
2029 and beyond
2029 and beyond
2029 and beyond
Total lease payments
Total lease payments
Total lease payments
Less: interest
Less: interest
Less: interest
Present value of lease liabilities
Present value of lease liabilities
Present value of lease liabilities

(17) INCOME TAXES

The Company recorded income tax provisions of \$3.4 million\$4.9 million and \$1.5 million \$6.9 million in the three six months ended March 31, 2024 June 30, 2024 and 2023, respectively. These amounts reflect the Company's estimates of the effective rates expected to be applicable for the respective full years, adjusted for any discrete events, which are recorded in the period in which they occur. These estimates are reevaluated each quarter based on the Company's estimated tax expense for the full fiscal year. The estimated effective tax rate includes the impact of valuation allowances in various jurisdictions. The Company intends to continue to maintain a

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valuation allowance on its deferred tax assets until there is sufficient evidence to support the reversal of all or some portion of the respective allowances.

(18) RELATED PARTIES

The Company recognized revenue from its largest stockholder of \$1.5 million and \$0.8 5.0 million in the three months ended March 31, 2024 June 30, 2024 and 2023, respectively, and \$3.0 million and \$5.8 million in the six months ended June 30, 2024 and 2023, respectively. Additionally, as discussed in Note 11, Also, certain related party

stockholders participated in the Private Placement. Placement (See Note 11).

(19) COMMITMENTS AND CONTINGENCIES

Liabilities for Royalty Payments to the IIA

Prior to the Company's acquisition of ECI Telecom Group Ltd. ("ECI"), ECI had received research and development grants from the Office of the Innovation Authority of the Israeli Ministry of Economics (the "IIA"). The Company assumed ECI's contract with the IIA, which requires the Company to pay royalties to the IIA on proceeds from the sale of products which the

RIBBON COMMUNICATIONS INC.

Notes to Condensed Consolidated Financial Statements (Continued)

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Israeli government has supported by way of research and development grants. The royalties for grants prior to 2017 were calculated at the rates of 1.3% to 5.0% of the aggregated proceeds from the sale of such products developed at certain of the Company's R&D centers, up to an amount not exceeding 100% of such grants plus interest at LIBOR. Effective for grants approved in 2017 and subsequently, interest was calculated at the higher of LIBOR plus 1.5% to 2.75%. At March 31, 2024 June 30, 2024, the Company's maximum possible future royalties commitment, including \$1.81.0 million of unpaid royalties accrued, was \$20.619.6 million, including interest of \$1.1 million, based on estimates of future product sales, grants received from the IIA not yet repaid, and management's estimation of products still to be sold.

Litigation

The Company is often a party to disputes and legal proceedings that it considers routine and incidental to its business, including those described below. The Company believes that it has meritorious defenses to the allegations made in the pending cases and intends to vigorously defend these lawsuits; however, the Company is unable currently to forecast the ultimate outcome of these or similar matters. Since it is difficult to predict the outcome of legal proceedings, it is possible that the ultimate outcomes could materially and adversely affect the Company's business, financial position, results of operations or cash flows. Accordingly, with respect to these proceedings, the Company is currently unable to reasonably estimate the possible loss or range of possible loss.

Miller Complaint. On November 8, 2018, Ron Miller, a purported stockholder of the Company, filed a Class Action Complaint (the "Miller Complaint") in the United States District Court for the District of Massachusetts (the "Massachusetts District Court") against the Company and three of its former officers (collectively, the "Defendants"), claiming to represent a class of purchasers of Sonus common stock during the period from January 8, 2015 through March 24, 2015 and alleging violations of the federal securities laws. Similar to a previous complaint entitled *Sousa et al. vs. Sonus Networks, Inc. et al.*, which was dismissed with prejudice by an order dated June 6, 2017, the Miller Complaint claims that the Defendants made misleading forward-looking statements concerning Sonus' expected fiscal first quarter of 2015 financial performance, which statements were also the subject of an August 7, 2018 Securities and Exchange Commission Cease and Desist Order, whose findings the Company neither admitted nor denied. The Miller plaintiffs are seeking monetary damages.

After the Miller Complaint was filed, several parties filed and briefed motions seeking to be selected by the Massachusetts District Court to serve as a Lead Plaintiff in the action. On June 21, 2019, the Massachusetts District Court appointed a group as Lead Plaintiffs and the Lead Plaintiffs filed an amended complaint on July 19, 2019. On August 30, 2019, the Defendants filed a motion to dismiss the Miller Complaint and, on October 4, 2019, the Lead Plaintiffs filed an opposition to the motion to dismiss. There was an oral argument on the motion to dismiss on February 12, 2020, and on October 20, 2022 the court denied the motion to dismiss. In June 2023, the Defendants agreed to a settlement in principle with the named plaintiffs, and final approval of the settlement was provided by the court on April 24, 2024. The settlement provided a release of all claims asserted

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Notes to Condensed Consolidated Financial Statements (Continued)

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in the litigation to all Defendants, who continue to deny liability. The \$4.5 million settlement amount was funded by the provider of the Company's Directors and Officers liability insurance policy.

Charter Complaint. On September 19, 2022, Charter Communications Operating, LLC ("Charter") filed two complaints against two of our subsidiaries (Sonus Networks, Inc. and Ribbon Communications Operating Company, Inc.) alleging breach of contract with respect to indemnification obligations purportedly owed to Charter in connection with Charter's legal dispute with Sprint Communications Company L.P., which was settled by Charter in March 2022. One complaint was filed in the Supreme Court of the State of New York, in New York County; the second complaint was filed by Charter as well as co-plaintiffs Charter Communications Holding Company, LLC and Bright House Networks, LLC, in the Superior Court of the State of Delaware in and for New Castle County. In both complaints, Charter is seeking monetary damages. The Company filed its answer to the first complaint in New York on December 7, 2022 and to the second complaint filed in Delaware on January 9, 2023. Discovery is on-going and the court in the Delaware complaint has set a preliminary new trial date of January June 2025.

WideOpenWest Complaint. On August 9, 2023, WideOpenWest, Inc. and WideOpenWest Finance, LLC (collectively, "WOW") filed a complaint against Ribbon alleging breach of contract with respect to indemnification obligations purportedly owed to WOW in connection with WOW's legal dispute with Sprint Communications Company L.P., which was settled by WOW in the second quarter of 2023. The complaint was filed in the 429th Judicial District of the District Court of the State of Texas, in Collin County, Texas and has since been transferred to the 493rd Judicial District Court in Collin County. In the

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Notes to Condensed Consolidated Financial Statements (Continued)

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complaint, WOW is seeking monetary damages. The Company filed its answer to the complaint on October 5, 2023. Discovery is on-going and the court has set a preliminary trial date of December 2024.

(20) SUBSEQUENT EVENT

On May 15, 2024, the Company entered into a binding commitment letter (the "Commitment Letter") with HPS Investment Partners, LLC ("HPS") and WhiteHorse Capital Management, LLC ("WhiteHorse" and, together with HPS, the "Lenders"), pursuant to which the Lenders have committed to provide the Company with a \$385 million senior secured credit facility (the "Refinancing Facility") comprised of (i) a \$350 million term loan and (ii) a \$35 million revolving credit facility. The funds from the Refinancing Facility will be used to (a) repay 100% of the amounts outstanding under the 2020 Credit Facility (b) redeem in full the Company's outstanding Series A preferred stock and (c) pay fees and expenses related to the Refinancing Facility. Any excess proceeds will be used by the Company for working capital.

The funding of the Refinancing Facility is subject to satisfaction of customary closing conditions. The Company expects the Refinancing Facility to close and fund no later than June 30, 2024.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion of the financial condition and results of operations of Ribbon Communications Inc. should be read in conjunction with the condensed consolidated financial statements and the related notes thereto included elsewhere in this Quarterly Report on Form 10-Q and the audited financial statements and notes thereto and Management's Discussion and Analysis of Financial Condition and Results of Operations included in our Annual Report on Form 10-K for the year ended December 31, 2023, which was filed with the U.S. Securities and Exchange Commission on February 28, 2024.

Overview

We are a leading global provider of communications technology to service providers and enterprises. We provide a broad range of software and high-performance hardware products, network solutions, and services that enable the secure delivery of data and voice communications, and high-bandwidth networking and connectivity for residential consumers and for small, medium, and large enterprises and industry verticals such as finance, education, government, utilities, and transportation. Our mission is to create a recognized global technology leader providing cloud-centric solutions that enable the secure exchange of information, with unparalleled scale, performance and elasticity. We are headquartered in Plano, Texas, and have a global presence with research and development or sales and support locations in over thirty countries around the world.

Key Trends and Economic Factors Affecting Ribbon

Supplier Disruptions. Ongoing uncertainty in the global economy due to inflation, the wars in Israel and Ukraine, national security concerns and other factors, continue to disrupt various manufacturing, commodity and financial markets, increase volatility, and impede global supply chains. Our ability to deliver our solutions as agreed upon with our customers depends in part on the ability of our global contract manufacturers, vendors, licensors and other business partners to deliver products or perform services we have procured from them.

Continued uncertain global economic conditions may cause our customers to restrict spending or delay purchases for an indeterminate period of time and consequently cause our revenues to decline. Further, such factors may negatively impact our operating costs resulting in a reduction in net income. The degree to which the ongoing wars in Israel and Ukraine and the inflationary and high interest rate environment impacts our future business, financial position and results of operations will depend on developments beyond our control, including the duration of the global economic downturn that has resulted from these factors.

The Ongoing Wars in Israel and Ukraine. The uncertainty resulting from the wars in Israel and Ukraine and the threat for expansion of one or both of these wars could result in some of our customers delaying purchases from us. As a result of safety concerns, we may close our offices in Israel from time to time. Although our employees in these offices have the ability to work remotely and business continuity plans are in place to address any medium- or long-term disruptions that could result from the closure of these offices, the office closures and general effects of employees operating in a region at war could have a negative impact on our operations. Further, a number of our employees in Israel are members of the military reserves and subject to immediate call-up in response to the war in Israel. Following the terrorist attacks in Israel in October 2023, a number of our employees have been activated for military duty and we expect that additional employees will also be activated if the war in Israel continues. While we have business continuity plans in place to address the military call-ups, it could affect the timing of projects in the short-term as the work is shifted to other team members both inside and outside of Israel.

Further, the U.S. and other European countries have imposed sanctions and trade restrictions against Russia in connection with the war in Ukraine. These sanctions and restrictions currently prohibit our ability to sell **certain products and services**, **hardware products**. The sanctions continue to evolve and further changes in the current sanctions or trade

restrictions could further limit our ability to sell products and services to customers in Russia and, our ability to collect on outstanding accounts receivable from such customers. If we are further limited in our ability to sell products and services to Russia and other countries for an extended period, it could have a material impact on our financial results.

Inflation and Interest Rates. We continue to see near-term impacts on our business due to inflation, including ongoing global price pressures driving up energy prices, component costs, freight premiums, and other operating costs above normal rates. Although headline inflation in the United States and Europe appears to have reached a peak, core inflation (excluding food and energy prices) remains elevated and is a source of continued cost pressure on businesses and households. Interest rates have increased significantly as central banks in developed countries attempt to subdue inflation while government deficits and debt remain at high levels in many global markets. Accordingly, the eventual implications of higher government deficits and debt, tighter monetary policy, and potentially higher long-term interest rates may drive a higher cost of capital for our business.

Presentation

Unless otherwise noted, all financial amounts, excluding tabular information, in this Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") are rounded to the nearest million dollar amount, and all percentages, excluding tabular information, are rounded to the nearest percentage point.

Operating Segments

Our Chief Operating Decision Maker assesses our performance based on the performance of two separate organizations within Ribbon: the Cloud and Edge operating segment ("Cloud and Edge") and the IP Optical Networks operating segment ("IP Optical Networks"). For additional details regarding our operating segments, see Note 13 - Operating Segment Information to our condensed consolidated financial statements.

Financial Overview

Financial Results

We reported a loss from operations of ~~\$13.5 million~~ \$1.9 million and ~~\$35.2 million~~ \$6.6 million for the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively. We reported a loss from operations of \$15.4 million and \$41.8 million for the six months ended June 30, 2024 and 2023, respectively.

Our revenue was ~~\$179.7 million~~ \$192.6 million and ~~\$186.2 million~~ \$210.6 million in the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively. Our gross profit and gross margin were ~~\$92.0 million~~ \$97.9 million and ~~51.2%~~ 50.8%, respectively, in the three months ended ~~March 31, 2024~~ June 30, 2024, and ~~\$81.4 million~~ \$101.5 million and ~~43.7%~~ 48.2%, respectively, in the three months ended ~~March 31, 2023~~ June 30, 2023. The lower revenue in the three months ended ~~March 31, 2024~~ June 30, 2024 compared to 2023 is due to ~~\$12.8~~ 14.7 million of lower Cloud and Edge sales, primarily to enterprise customers and \$3.3 million of lower IP Optical Networks sales. Our revenue was ~~\$372.3 million~~ and \$396.8 million in the six months ended June 30, 2024 and 2023, respectively. Our gross profit and gross margin were \$189.8 million and 51.0%, respectively, in the six months ended June 30, 2024, and ~~\$182.9 million~~ and 46.1%, respectively, in the six months ended June 30, 2023. The lower revenue in the six months ended June 30, 2024 compared to 2023 is due to \$27.5 million of lower Cloud and Edge sales, primarily to U.S. ~~Service Providers~~, service providers, partially offset by ~~\$3.0~~ \$6.3 million of higher IP Optical sales in Europe, the Middle East and Africa ("the EMEA region"), Networks sales.

Revenue from our Cloud and Edge segment was ~~\$101.7~~ 110.6 million and ~~\$114.5 million~~ \$125.3 million in the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively. Gross profit and gross margin for this segment were ~~\$64.4~~ 70.4 million and 63.4% 63.7%, respectively, in the three months ended ~~March 31, 2024~~ June 30, 2024, and ~~\$66.1 million~~ \$79.3 million and ~~57.7%~~ 63.3%, respectively, in the three months ended ~~March 31, 2023~~ June 30, 2023. Revenue from our Cloud and Edge segment was ~~\$212.2 million~~ and \$239.7 million in the six months ended June 30, 2024 and 2023, respectively. Gross profit and gross margin for this segment were \$134.9 million and 63.6%, respectively, in the six months ended June 30, 2024, and ~~\$145.4 million~~ and 60.7%, respectively, in the six months ended June 30, 2023.

Revenue from our IP Optical Networks segment was ~~\$78.0~~ 82.1 million and ~~\$71.7 million~~ \$85.4 million in the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively. Gross profit and gross margin for this segment were ~~\$27.5~~ 27.4 million and ~~35.3%~~ 33.4%, respectively, in the three months ended ~~March 31, 2024~~ June 30, 2024, and ~~\$15.3 million~~ \$22.1 million and ~~21.4%~~ 25.9%, respectively, in the three months ended ~~March 31, 2023~~ June 30, 2023. Revenue from our IP Optical Networks segment was ~~\$160.1 million~~ and \$157.0 million in the six months ended June 30, 2024 and 2023, respectively. Gross profit and gross margin for this segment were \$55.0 million and 34.3%, respectively, in the six months ended June 30, 2024, and ~~\$37.5 million~~ and 23.9%, respectively, in the six months ended June 30, 2023.

Our operating expenses were ~~\$105.4 million~~ \$99.8 million and ~~\$116.6 million~~ \$108.1 million in the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively, and ~~\$205.2 million~~ and \$224.7 million in the six months ended June 30, 2024 and 2023, respectively. The decreased operating expenses are primarily related to lower research and development ("R&D") and restructuring related expenses. Operating expenses for the three months ended ~~March 31, 2024~~ June 30, 2024 included ~~\$6.7 million~~ \$6.5 million of amortization of acquired intangible assets, and ~~\$3.1 million~~ \$1.9 million of restructuring and related expense. Operating expenses for the three months ended ~~March 31, 2023~~ June 30, 2023 included \$7.3 million of amortization of acquired intangible assets, ~~\$1.6 million~~ \$0.5 million of acquisition-, disposal- and integration-related expense, and ~~\$6.9 million~~ \$4.3 million of restructuring and related expense. Operating expenses for the six months ended June 30, 2024 included \$13.2 million of amortization of acquired intangible assets, and \$5.0 million of restructuring and related expense. Operating expenses for the six months ended June 30, 2023 included \$14.5 million of amortization of acquired intangible assets, ~~\$2.1 million~~ of acquisition-, disposal- and integration-related expense, and ~~\$11.2 million~~ of restructuring and related expense.

We recorded stock-based compensation expense of ~~\$4.5 million~~ \$3.5 million and ~~\$5.8 million~~ \$6.1 million in the three months ended ~~March 31, 2024~~ June 30, 2024 and 2023, respectively, and ~~\$8.0 million~~ and \$12.0 million in the six months ended June 30, 2024 and 2023, respectively.

These amounts are included as components of both Cost of revenue and Operating expenses in our condensed consolidated statements of operations.

See "Results of Operations" in this MD&A for a discussion of the changes in our revenue and expenses for the three and six months ended ~~March 31, 2024~~ June 30, 2024 compared to the three and six months ended ~~March 31, 2023~~ June 30, 2023.

Restructuring and Cost Reduction Initiatives

In February 2023, our Board of Directors approved a strategic restructuring program (the "2023 Restructuring Plan") to streamline our operations in order to support our investment in critical growth areas. The 2023 Restructuring Plan includes, among other things, charges related to a workforce reduction. Any potential positions eliminated in countries outside the United States are subject to local law and consultation requirements. We recorded restructuring and related expense of \$1.60.4 million and \$5.7\$2.0 million in the three and six months ended March 31, 2024 and 2023, respectively, June 30, 2024, in connection with the 2023 Restructuring Plan for severance related costs. We anticipate that we will record nominal future expense for severance in connection with the 2023 Restructuring Plan.

In February 2022, our Board of Directors approved a strategic restructuring program (the "2022 Restructuring Plan") to streamline our operations in order to support our investment in critical growth areas. The 2022 Restructuring Plan includes, among other things, charges related to a consolidation of facilities and a workforce reduction. Any positions eliminated in countries outside the United States are subject to local law and consultation requirements. In connection with the 2022 Restructuring Plan, we recorded restructuring and related expense of \$1.4 million \$1.6 million and \$1.2 \$3.0 million in the three and six months ended March 31, 2024 and 2023, June 30, 2024, respectively. The amount for both the three and six months ended March 31, 2024 June 30, 2024 was related to variable and other facilities-related costs. The amount for the three months ended March 31, 2023 was comprised of \$1.0 million for variable and other facilities-related costs and \$0.2 million for accelerated amortization of lease assets no longer being used with no ability or intent to sublease. We anticipate that we will record approximately \$4 million \$3 million of expense in the remainder of 2024 related to the 2022 Restructuring Plan.

For facilities that are part of a restructuring plan, for which we have no intent or ability to enter into a sublease, we recognize accelerated rent amortization over the period from the date that we commence the plan to fully or partially vacate a facility through the final vacate date. We did not record accelerated rent amortization in the three and six months ended March 31, 2024 June 30, 2024. We recorded \$0.20.4 million and \$0.6 million of accelerated rent amortization in the three and six months ended March 31, 2023 June 30, 2023, respectively. We continue to evaluate our properties included in our restructuring plans for accelerated amortization and/or right-of-use asset impairment. We may incur additional future expense if we are unable to sublease other locations included in these initiatives.

Critical Accounting Policies and Estimates

This MD&A is based upon our condensed consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America ("GAAP"). The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities. We base our estimates and judgments on historical experience, knowledge of current conditions and beliefs of what could occur in the future given available information. We consider the following accounting policies to be both those most important to the portrayal of our financial condition and those that require the most subjective judgment. The significant accounting policies that we believe are the most critical include revenue recognition, the valuation of inventory, warranty accruals, loss contingencies and reserves, stock-based compensation, the Preferred Stock and Warrants, business combinations, goodwill and intangible assets, accounting for leases, and accounting for income taxes. If actual results differ significantly from management's estimates and projections, there could be a material effect on our condensed consolidated financial statements. There were no significant changes to our critical accounting policies from January 1, 2024 through March 31, 2024 June 30, 2024. For a further discussion of our critical accounting policies and estimates, please refer to our Annual Report on Form 10-K for the year ended December 31, 2023.

Results of Operations

Three and six months ended March 31, 2024 June 30, 2024 and 2023

Revenue. Revenue for the three and six months ended March 31, 2024 June 30, 2024 and 2023 was as follows (in thousands, except percentages):

Three months ended		Three months ended		Decrease from prior year		Three months ended		Increase/(decrease) from prior year	
March 31, 2024		March 31, 2023		\$ %					
June 30, 2024		June 30, 2023		\$ %					
Product	Product	\$ 87,610	\$ 93,318	\$(5,708)	(6.1)	Product	\$ 99,133	\$ 117,347	\$(18,214) (15.5)
Service	Service	92,054	92,841	(787)	(0.8)	Service	93,487	93,271	216 0.2
Total revenue	Total revenue	\$179,664	\$186,159	\$(6,495)	(3.5)	Total revenue	\$192,620	\$210,618	\$(17,998) (8.5)

Six months ended		Decrease from prior year	
June 30, 2024		June 30, 2023	
		\$ %	
Product	\$ 186,743	\$ 210,665	\$(23,922) (11.4)%
Service	185,541	186,112	(571) (0.3)%

Total revenue		\$	372,284	\$	396,777	\$	(24,493)	(6.2)%
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Segment revenue for the three and six months ended **March 31, 2024** **June 30, 2024** and 2023 was as follows (in thousands):

	Three months ended March 31, 2024				Three months ended March 31, 2023				Three months ended June 30, 2024				Three months ended June 30, 2023			
	Cloud and Edge		IP Optical Networks		Cloud and Edge		IP Optical Networks		Cloud and Edge		IP Optical Networks		Cloud and Edge		IP Optical Networks	
	Product	Service	Total	Revenue	Product	Service	Total	Revenue	Product	Service	Total	Revenue	Product	Service	Total	Revenue
Product																
Service																
Total revenue																

	Six months ended June 30, 2024			Six months ended June 30, 2023		
	Cloud and Edge	IP Optical Networks	Total	Cloud and Edge	IP Optical Networks	Total
Product	\$ 71,099	\$ 115,644	\$ 186,743	\$ 95,191	\$ 115,474	\$ 210,665
Service	141,125	44,416	185,541	144,545	41,567	186,112
Total revenue	\$ 212,224	\$ 160,060	\$ 372,284	\$ 239,736	\$ 157,041	\$ 396,777

The decrease in our product revenue in the three months ended **March 31, 2024** **June 30, 2024** compared to the three months ended **March 31, 2023** **June 30, 2023** was the result of \$11.13 million of lower sales of our Cloud and Edge products partially offset by and \$5 million of higher lower sales of our IP Optical Networks products. The decrease in our product revenue in the six months ended June 30, 2024 compared to the six months ended June 30, 2023 was due to \$24 million of lower sales of our Cloud and Edge products, partially offset by slightly higher sales of our IP Optical Networks products. The decrease in revenue from the sale of Cloud and Edge products in the three months ended June 30, 2024 was primarily attributable to \$8 million of lower sales to enterprise customers, including a slight delay in sales to a U.S. Federal agency to support voice network modernization that is now expected in the third quarter of 2024, and \$4 million of lower sales to U.S. Service Providers, service providers. The decrease in revenue from the sale of IP Optical Networks products in the three months ended June 30, 2024 was attributable to \$14 million of lower sales to service providers, partially offset by increased \$9 million of higher sales to Enterprise customers, including U.S. Federal agencies to support voice network modernization. enterprise customers. The slight increase in revenue from the sale of IP Optical Networks products in the six months ended June 30, 2024 was primarily attributable to \$17 million of higher sales in Israel and Eastern Europe following the introduction to enterprise customers, offset by just under \$17 million of new products and capabilities, including support for Long Haul Optical Transport, 5G Cell Site Routers, and a new series of IP Routers, lower sales to service providers.

Revenue from sales to enterprise customers was 43% 38% and 29% 32% of our product revenue in the three months ended **March 31, 2024** **June 30, 2024** and 2023, respectively. These sales were made through both our direct sales team and indirect sales channel partners. Revenue from sales to enterprise customers was 41% and 31% in the six months ended June 30, 2024 and 2023, respectively. The increase in enterprise sales reflects stronger sales of our products to customers in the government sector.

Revenue from indirect sales through our channel partner program was 52% 32% of our product revenue in both the three months ended June 30, 2024 and 38% 2023 and 41% and 35% of our product revenue in the three six months ended **March 31, 2024** **June 30, 2024** and 2023, respectively. The increase in channel sales in the six months ended June 30, 2024 reflects stronger IP Optical Networks deployments through systems integrators as well as sell-thru our Service Provider service provider channel partners in Eastern Europe.

The timing of the completion of customer projects and revenue recognition criteria satisfaction may cause our product revenue to fluctuate from one period to the next.

Service revenue is primarily comprised of hardware and software maintenance and support ("maintenance revenue") and network design, installation and other professional services ("professional services revenue").

Service revenue for the three and six months ended **March 31, 2024** **June 30, 2024** and 2023 was comprised of the following (in thousands, except percentages):

Three months ended		Three months ended		Increase/(Decrease)		Three months ended	
March 31, 2024		March 31, 2023		\$		%	
June 30, 2024		June 30, 2023		\$		%	
Maintenance	\$68,381	\$70,588	\$(2,207)	(3.1)	(3.1)	%	Maintenance \$ 67,520
							\$ 69,628

Professional services	Professional services	23,673	22,253	22,253	1,420	1,420	6.4	6.4	Professional services	25,967	23,643	23,643
	\$	\$92,054	\$	\$92,841	\$	\$ (787)	(0.8)	(0.8)	%	\$93,487	\$	\$93,27

	Six months ended		Increase/(decrease) from prior year	
	June 30, 2024	June 30, 2023	\$	%
Maintenance	\$ 135,901	\$ 140,216	\$ (4,315)	(3.1)%
Professional services	49,640	45,896	3,744	8.2 %
	\$ 185,541	\$ 186,112	\$ (571)	(0.3)%

Segment service revenue for the three and six months ended **March 31, 2024** June 30, 2024 and 2023 was comprised of the following (in thousands):

	Three months ended March 31, 2024				Three months ended March 31, 2023			
	Three months ended June 30, 2024				Three months ended June 30, 2023			
	Cloud and Edge	Cloud and Edge	IP Optical Networks	Total	Cloud and Edge	IP Optical Networks	Total	
Maintenance								
Professional services								
Total service revenue								

	Six months ended June 30, 2024			Six months ended June 30, 2023		
	Cloud and Edge	IP Optical Networks	Total	Cloud and Edge	IP Optical Networks	Total
Maintenance	\$ 105,859	\$ 30,042	\$ 135,901	\$ 109,844	\$ 30,372	\$ 140,216
Professional services	35,266	14,374	49,640	34,701	11,195	45,896
Total service revenue	\$ 141,125	\$ 44,416	\$ 185,541	\$ 144,545	\$ 41,567	\$ 186,112

Maintenance revenue was 3.1% lower in the three and six months ended **March 31, 2024** June 30, 2024 compared to the three and six months ended **March 31, 2023** June 30, 2023 primarily due to modestly lower renewal rates from decommissioning some older legacy equipment with several Cloud & Edge customers and the timing of renewals in the IP Optical Networks segment.

Professional services revenue was higher in the three and six months ended **March 31, 2024** June 30, 2024 compared to the same period periods in 2023 by 6.4% primarily due to growing sales of IP Optical Networks services in the EMEA region.

The following customer contributed 10% or more of our revenue in the three and six months ended **March 31, 2024** June 30, 2024 and 2023:

Three months ended				
Customer	March 31,			
	Three months ended		Six months ended	
	June 30, 2024	June 30, 2023	June 30, 2024	June 30, 2023
	2024	2023	2024	2023
Verizon Communications Inc.	12%	11%	11%	11%

Customer	2024	March 31, 2023
Verizon Communications Inc.	*	11%
* Less than 10% of total revenue.		

Revenue from customers domiciled outside the United States was 60% 58% and 56% 53% in the three months ended March 31, 2024 June 30, 2024 and 2023, respectively, and 59% and 54% of revenue in the six months ended June 30, 2024 and 2023, respectively. Due to the timing of project completions, we expect that the domestic and international components as a percentage of revenue may fluctuate from quarter to quarter and year to year.

Our deferred product revenue was \$11 10 million and \$17 million at March 31, 2024 June 30, 2024 and December 31, 2023, respectively. Our deferred service revenue was \$114 106 million and \$116 million at March 31, 2024 June 30, 2024 and December 31, 2023, respectively. Our deferred revenue balance may fluctuate as a result of the timing of revenue recognition, customer payments, maintenance contract renewals, contractual billing rights and maintenance revenue deferrals included in multiple element arrangements.

We expect that our total revenue in 2024 will increase compared to our 2023 revenue primarily due to a stronger second half in both business segments, particularly with increased purchases from Verizon as our IP Optical sales continue to grow, part of a voice modernization project. From a regional perspective, we anticipate continued IP Optical Networks revenue growth in 2024 from North America, Europe, the Middle East and Africa, and Central and Latin America, offset by lower revenue in Eastern Europe due to additional trade restrictions with this region. In the Cloud & Edge segment, we anticipate growth in Enterprise, enterprise, including U.S. Federal agencies, offsetting along with U.S. service provider spending that was lower spending from U.S. Service Providers in the first half of 2024. 2024, but is expected to rebound in the second half of the year.

Cost of Revenue/Gross Margin. Our cost of revenue consists primarily of amounts paid to third-party manufacturers for purchased materials and services, royalties, amortization of acquired technology, inventory valuation adjustments, warranty costs, and manufacturing and services personnel and related costs. Our cost of revenue, gross profit and gross margin for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands, except percentages):

Three months ended		Three months ended		Increase (decrease) from prior year		Three months ended	
March 31, 2024		March 31, 2023		\$ %			
June 30, 2024		June 30, 2023		\$ %			
Cost of revenue:							
Product							
Product							
Product	\$45,794	\$	\$ 62,063	(16,269)	(16,269)	(26.2)	% \$ 54,845 \$ 67,927
Service	35,364	35,305	35,305	59	59	0.2	% Service 33,376 33,782
Amortization of acquired technology	6,551	7,389	7,389	(838)	(838)	(11.3)	% Amortization of acquired technology 6,532 7,439
Total cost of revenue	\$87,709	\$	\$104,757	(17,048)	(17,048)	(16.3)	% Total cost of revenue \$ 94,753 \$ 109,148
Gross profit							
Gross profit							
Gross profit	\$91,955	\$	\$ 81,402	\$	\$10,553	13.0	% \$ 97,867 \$ 101,470
Gross margin						51.2 %	
Gross margin						43.7 %	
Gross margin						50.8 %	
Gross margin						48.2 %	

	Six months ended		Increase (decrease) from prior year	
	June 30,	June 30,	\$	%
	2024	2023		
Cost of revenue:				
Product	\$ 100,639	\$ 129,990	(29,351)	(22.6)%
Service	68,740	69,087	(347)	(0.5)%
Amortization of acquired technology	13,083	14,828	(1,745)	(11.8)%
Total cost of revenue	<u>\$ 182,462</u>	<u>\$ 213,905</u>	<u>(31,443)</u>	(14.7)%
Gross profit	\$ 189,822	\$ 182,872	\$ 6,950	3.8 %
Gross margin			51.0 %	46.1 %

Our segment cost of revenue, gross profit and gross margin for the three and six months ended **March 31, 2024** June 30, 2024 and 2023 were as follows (in thousands, except percentages):

	Three months ended March 31, 2024				Three months ended March 31, 2023			
	Three months ended June 30, 2024				Three months ended June 30, 2023			
	Cloud and Edge	Cloud and Edge	IP Optical Networks	Total	Cloud and Edge	IP Optical Networks	Total	
Product								
Service								
Amortization of acquired technology								
Total cost of revenue								
Gross profit								
Gross profit								
Gross profit								
Gross margin		63.4 %		35.3 %		51.2 %		57.7 %
								21.4 %
								43.7 %
Gross margin		63.7 %		33.4 %		50.8 %		63.3 %
								25.9 %
								48.2 %

	Six months ended June 30, 2024			Six months ended June 30, 2023		
	Cloud and Edge	IP Optical Networks	Total	Cloud and Edge	IP Optical Networks	Total
Product	\$ 27,182	\$ 73,457	\$ 100,639	\$ 40,276	\$ 89,714	\$ 129,990
Service	45,709	23,031	68,740	46,928	22,159	69,087
Amortization of acquired technology	4,462	8,621	13,083	7,125	7,703	14,828
Total cost of revenue	<u>\$ 77,353</u>	<u>\$ 105,109</u>	<u>\$ 182,462</u>	<u>\$ 94,329</u>	<u>\$ 119,576</u>	<u>\$ 213,905</u>
Gross profit	\$ 134,871	\$ 54,951	\$ 189,822	\$ 145,407	\$ 37,465	\$ 182,872
Gross margin	63.6 %	34.3 %	51.0 %	60.7 %	23.9 %	46.1 %

Our gross margin was higher with an 8% a 3% increase overall in the three months ended **March 31, 2024** June 30, 2024 compared to the three months ended **March 31, 2023** June 30, 2023, with due to an 8% increase in our IP Optical Networks segment and a slight increase in our Cloud & Edge segment. Our gross margin increased 5% in the six months ended June 30, 2024 compared to the same period in 2023 due to a 10% increase in our IP Optical Networks segment and a 3% increase in our Cloud & Edge segment. The higher margins in both of our segments. Our IP Optical Networks segment's g segment wereross margin increased by 14% primarily attributable to higher sales volume,

favorable customer and product mix along with lower product costs, material, labor and improved absorption of fixed costs from higher sales, royalty costs. Our Cloud and Edge segment's gross margin for the six months ended June 30, 2024 increased by 6% primarily due to favorable product mix and lower amortization of acquired technology costs costs..

We believe that our IP Optical Networks segment gross margin will approximately maintain approximate current levels dependent on customer and product mix for the remainder of 2024. Our overall corporate gross margin may decrease in 2024 is expected to be very similar compared to 2023 as a result with the Cloud & Edge revenue growing in the second half of higher expected sales from IP Optical Networks, the year, which has lower higher margins due to the higher hardware software content in its products and higher production costs, products.

Research and Development. R&D expenses consist primarily of salaries and related personnel expenses and prototype costs for the design, development, testing, and enhancement of our products. R&D expenses for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands, except percentages):

		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year	
		March 31, 2024	March 31, 2023			June 30, 2024	June 30, 2023			Three months ended	Three months ended		
		\$	%			\$	%			\$	%		
Three months ended	Three months ended	\$45,763		\$51,304		\$ (5,541)	(10.8)			\$43,489		\$47,776	
												\$ (4,287)	(9.0)
Six months ended	Six months ended	\$89,252		\$99,080		\$ (9,828)	(9.9)						

The decrease in our R&D expenses in the three and six months ended March 31, 2024 June 30, 2024 compared to the three and six months ended March 31, 2023 June 30, 2023 was primarily attributable to lower expenses in both of our segments. However, our IP Optical Networks segment. segment contributed the most to the improvement by decreasing costs by \$3 million and \$8 million in the three and six months ended June 30, 2024, respectively. The reduced expenses are a combination of lower employee headcount and outside subcontractors resulting from the cost savings implemented in the 2023 Restructuring Plan.

Our IP Optical Networks R&D investment is focused on significantly expanding our portfolio of IP Routing solutions, adding additional features and capabilities to our Optical Transport portfolio, and supporting features in our next generation

SDN management and orchestration platform.

Some aspects of our R&D efforts require significant short-term expenditures, the timing of which may cause variability in our expenses. We believe that rapid technological innovation is critical to our long-term success, and we are tailoring our investments to meet the requirements of our customers and market. We believe that our R&D expenses will remain consistent for increase slightly in the rest second half of 2024 and primarily due to annual employee compensation adjustments. However, we do expect that 2024 R&D expenses will be lower than 2023 overall, with reduced investment in both segments in areas such as sustaining engineering, as well as a full year benefit from the cost savings implemented in the 2023 Restructuring Plan.

Sales and Marketing Expenses. Sales and marketing expenses consist primarily of salaries and related personnel costs, commissions, travel and entertainment expenses, promotions, customer trial and evaluations inventory and other marketing and sales support expenses. Sales and marketing expenses for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands, except percentages):

		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year		Decrease from prior year	
		March 31, 2024	March 31, 2023			June 30, 2024	June 30, 2023			Three months ended	Three months ended		
		\$	%			\$	%			\$	%		
Three months ended	Three months ended	\$34,716		\$35,399		\$ (683)	(1.9)			\$32,984		\$33,905	
												\$ (921)	(2.7)
Six months ended	Six months ended	\$67,700		\$69,304		\$ (1,604)	(2.3)						

The decrease in sales and marketing expenses in 2024 as compared to 2023 is primarily a result of a the global sales organization realignment that reduced management layers, as well as reduced investment in under-performing regions. In the three months ended March 31, 2024 compared to the three months ended March 31, 2023, we achieved an regions, with essentially equal reduction of expenses reductions in both of our operating segments.

We believe that our sales and marketing expenses in 2024 will be similar to 2023 as we continue to benefit from the realigned global sales structure.

[illegible]

We believe that our general and administrative expenses in 2024 will increase slightly compared to our 2023 levels, primarily due to higher employee costs and as a result of inflation.

[illegible]

Acquisition-, Disposal- and Integration-Related. Acquisition-, disposal- and integration-related expenses include those expenses related to acquisitions that we would otherwise not have incurred. Acquisition- and disposal-related expenses include professional and services fees, such as legal, audit, consulting, paying agent and other fees. Integration-related expenses represent incremental costs related to combining our systems and processes with those of acquired businesses, such as third-party consulting and other third-party services.

Restructuring and Related. We have been committed to streamlining our operations and reducing operating costs by closing and consolidating certain facilities and reducing our worldwide workforce. Please see the additional discussion of our restructuring initiatives in the "Restructuring and Cost Reduction Initiatives" section of the Overview of this MD&A.

Interest Expense, Net. Interest expense and interest income for the three and six months ended March 31, 2024 June 30, 2024 and 2023 were as follows (in thousands, except percentages):

Three months ended	Three months ended	Increase (decrease) from prior year	Three months ended	Decrease from prior year
March 31, 2024	March 31, 2023	\$ %		

		June 30,		June 30,											
		2024		2023		\$		%							
Interest income	Interest income	\$ 106	\$ 59	\$ 47	\$ 79.7	79.7	% income	\$ 48	\$ 57	\$ (9)	(15.8)	(15.8)			
Interest expense	Interest expense	(6,093)	(6,481)	(388)	(6.0)	(6.0)	% expense	(3,927)	(6,823)	(6,823)	\$ (2,896)	(42.4)	(4		
Interest expense, net	Interest expense, net	\$(5,987)	\$(6,422)	\$(435)	(6.8)	(6.8)	% net	\$(3,879)	\$(6,766)	\$(2,887)	(42.7)	(42.7)			

	Six months ended		Increase (decrease) from prior year	
	June 30, 2024	June 30, 2023	\$	%
Interest income	\$ 154	\$ 116	\$ 38	32.8 %
Interest expense	(10,020)	(13,304)	\$ (3,284)	(24.7) %
Interest expense, net	\$(9,866)	\$(13,188)	\$ (3,322)	(25.2) %

Our Interest income was nominal in 2024 and 2023. Our interest expense in the three and six months ended June 30, 2024 and 2023 primarily represents interest, amortization of debt issuance costs and original issue discount, and the amortization of gains in accumulated other comprehensive (loss) income from the sales of our interest rate swap. Interest expense in the three and six months ended March 31, 2024 June 30, 2024 was lower than the three and 2023 was six months ended June 30, 2023 primarily comprised due to write offs related to the refinancing of the 2020 Credit Facility with a portion of the proceeds from the 2024 Credit Facility (both defined below) on June 21, 2024. The write offs related to the refinancing consisted of the remaining unamortized gains in accumulated other comprehensive (loss) income from the sales of our interest and amortization rate swap totaling \$4.9 million, partially offset by the write off of debt issuance costs related to from the 2020 Credit Facility (as defined below) totaling \$2.0 million. Our interest expense for the three six months ended March 31, 2023 June 30, 2023 benefited from our interest rate swap which that fixed our interest rate at 0.904% and was sold in March 2023. See Note 10 to our condensed consolidated financial statements for a discussion of the sale of our interest rate swap.

swap.

Other (Expense) Income, Net. We recorded other expense, net of \$7.5 million \$9.5 million and \$2.7 million in the three months ended June 30, 2024 and 2023, respectively. We recorded other expense, net of \$17.0 million and other income, net of \$4.8 million \$2.1 million in the threesix months ended March 31, 2024 June 30, 2024 and 2023, respectively. Other expense in the three months ended March 31, 2024 June 30, 2024 was primarily comprised of the \$3.5 million fair value adjustment, call premium and accrued dividends related to our Preferred Stock that we redeemed on June 25, 2024. Other expense in the three months ended June 30, 2023 was primarily attributable to the change in the fair value of our Preferred Stock and Warrants, including dividends on the Preferred Stock. Other expense in the six months ended June 30, 2024 was primarily comprised of \$5.7 million of fair value adjustments, \$2.7 million of accrued dividends and the \$1.8 million call premium on our Preferred Stock that we redeemed on June 25, 2024, and foreign currency exchange losses

of \$1.1 million \$2.0 million. Other income in the three six months ended March 31, 2023 June 30, 2023 was primarily attributable to the gain of \$7.3 million recognized from Accumulated other comprehensive income in connection with the sale of our interest rate swap, partially offset by \$3.5 million of costs incurred in the Private Placement.

Income Taxes. We recorded income tax provisions of \$3.4 1.5 million and \$1.5 5.4 million in the three months ended March 31, 2024 June 30, 2024 and 2023, respectively, and \$4.9 million and \$6.9 million in the six months ended June 30, 2024 and 2023, respectively. These amounts reflect our estimates of the effective rates expected to be applicable for the respective full fiscal years, adjusted for any discrete events, which are recorded in the period that they occur. These estimates are reevaluated each quarter based on our estimated tax rate for the full year. The estimated effective tax rate includes the impact of valuation allowances in various jurisdictions. We intend to continue to maintain a valuation allowance on our deferred tax assets until there is sufficient evidence to support the reversal of all or some portion of the respective allowances.

The Organization for Economic Cooperation and Development (the "OECD") Pillar 2 global minimum tax rules are intended to apply for tax years beginning in 2024. On February 1, 2023, the FASB staff noted that they believe that the Pillar 2 tax would be an alternative minimum tax and therefore deferred tax assets would not need to be recognized related to this parallel taxing system. On February 2, 2023, the OECD issued administrative guidance providing transition and safe harbor rules around the implementation of the Pillar 2 global minimum tax. Under an additional transitional safe harbor released July 17, 2023, the undertaxed profits rule top-up tax will not be applied by any constituent entity's jurisdiction of residence with respect to income earned by a company's ultimate parent entity in its jurisdiction of residence, if the ultimate parent entity's jurisdiction has a corporate tax rate of at least 20%. This transition safe harbor will apply to fiscal years beginning on or before December 31, 2025 and ending before December 31, 2026. We are closely monitoring developments and evaluating the impacts these new rules will have on our tax rate, including eligibility to qualify for these safe harbor rules and do not expect Pillar 2 to have a significant impact on our financial statements.

Off-Balance Sheet Arrangements

We have no off-balance sheet arrangements that have or are reasonably likely to have a current or future material effect on our financial position, changes in financial position, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources.

Liquidity and Capital Resources

Our condensed consolidated statements of cash flows are summarized as follows (in thousands):

	Three months ended		Six months ended			Change
	March 31, 2024	March 31, 2023	Change	June 30, 2024	June 30, 2023	
Net loss						
Adjustments to reconcile net loss to cash flows provided by operating activities						
Changes in operating assets and liabilities						
Net cash provided by operating activities						
Net cash used in investing activities						
Net cash used in financing activities						
Net cash provided by (used in) financing activities						

We had cash, and cash equivalents, and restricted cash aggregating \$31.67 million and \$27 million at March 31, 2024, June 30, 2024 and December 31, 2023, respectively. We had cash held by our non-U.S. subsidiaries aggregating \$18 million, \$23 million and \$16 million at March 31, 2024, June 30, 2024 and December 31, 2023, respectively. If we elect to repatriate all of the funds held by our non-U.S. subsidiaries as of March 31, 2024, June 30, 2024, we do not believe that the amounts of potential withholding taxes that would arise from the repatriation would have a material effect on our liquidity.

We currently maintain On June 21, 2024, we entered into a Senior Secured Credit Facilities Agreement (the "2024 Credit Facility" and "2024 Credit Agreement") as guarantor, with our wholly-owned subsidiary, Ribbon Communications Operating Company, Inc., as the borrower ("Borrower"), HPS Investment Partners, LLC ("HPS"), as administrative agent, and HPS and WhiteHorse Capital Management, LLC ("WhiteHorse" and, together with HPS, the "Lenders"), pursuant to which the Lenders have provided us with a \$385 million senior secured credit facility comprised of (i) a \$350 million term loan (the "2024 Term Loan") and (ii) a \$35 million revolving credit facility (the "2024 Revolver"), including a \$20 million sublimit for letters of credit. The proceeds received from the 2024 Term Loan were used to (a) repay 100% of the amounts outstanding under the 2020 Credit Facility, (b) redeem in full the Preferred Stock and (c) pay fees and expenses related to the 2024 Credit Facility. Any excess proceeds are expected to be used by us for working capital and other general corporate purposes.

The 2024 Term Loan and the 2024 Revolver bear interest, at the Borrower's option, at either the Alternate Base Rate ("ABR") or Term Secured Overnight Financing Rate ("SOFR") with an Applicable Margin for each (all as defined in the 2024 Credit Agreement). Margins for the first six months are 5.25% per annum for ABR Loans and 6.25% per annum for SOFR Loans. Thereafter, margins vary based on our Consolidated Net Leverage Ratio, ranging from 4.75% to 5.25% per annum for ABR Loans and 5.75% to 6.25% per annum for SOFR Loans. The 2024 Term Loan and the 2024 Revolver will both mature on June 21, 2029. The 2024 Term Loan is to be repaid in equal quarterly installments: approximately \$0.9 million beginning with the third quarter of 2024 through the second quarter of 2025; approximately \$2.2 million beginning with the third quarter of 2025 and ending with the second quarter of 2027; and approximately \$4.4 million quarterly thereafter, with the remaining principal balance of approximately \$298.4 million due on the maturity date of June 21, 2029. In connection with the establishment of the 2024 Credit Facility, \$7.7 million of original issue discount was withheld by the Lenders and we incurred \$6.1 million of debt issuance costs for a total of \$13.8 million that is being amortized to interest expense, net over the term of the agreement.

Our previous credit facility was the Senior Secured Credit Facilities Credit Agreement (as amended, the "2020 Credit Facility"), which we entered into on March 3, 2020, by and among us, as a guarantor, Ribbon Communications Operating Company, Inc.,

as the borrower ("Borrower" (the "Borrower")), Citizens Bank, N.A. ("Citizens"), Santander Bank, N.A., and others as lenders, ("Lenders"). For additional details regarding the terms of the 2024 Credit Facility and 2020 Credit Facility, see Note 9 to our condensed consolidated financial statements.

On March 24, 2023, we entered into the Sixth Amendment to the 2020 Credit Facility (the "Sixth Amendment") effective March 30, 2023. The Sixth Amendment, among other things, increased the Maximum Consolidated Net Leverage Ratio (as defined in the 2020 Credit Facility), with the first, second and third quarters of 2023 increasing to 4.50:1.00. In the fourth quarter of 2023 and the first quarter of 2024, the Maximum Consolidated Net Leverage Ratio declines to 4.25:1.00 and 4.00:1.00, respectively. In all subsequent quarters, the Maximum Consolidated Senior Net Leverage Ratio will be fixed at 3.00:1.00 and the Maximum Consolidated Net Leverage Ratio will be fixed at 4.00:1.00. Also, the Sixth Amendment reduced the minimum Consolidated Fixed Charge Coverage Ratio (as defined in the 2020 Credit Facility) to 1.10:1.00 through the first quarter of 2024 and in all subsequent quarters the ratio will be fixed at 1.25:1.00. The Sixth Amendment reduced the maximum borrowings allowed under the 2020 Revolving Credit Facility from \$100 million to \$75 million and the sublimit available for letters of credit was reduced from \$30 million to \$20 million. In addition, the Sixth Amendment replaced LIBOR with the Secured Overnight Financing Rate ("SOFR") as the alternative rate that may be used by the Company for calculating interest owed under the 2020 Credit Facility with the margin now fixed at 4.5%. In conjunction with the Sixth Amendment, we made a \$75 million prepayment that was applied to the final payment due upon maturity in March 2025 of approximately \$200.4 million. The \$75 million prepayment was almost entirely funded with the net proceeds from the Private Placement and the sales of our interest rate swap. Debt issuance costs associated with the Sixth Amendment totaled \$1.7 million and are being amortized on a straight-line basis over the remaining life of the 2020 Credit Facility to interest expense, net.

The 2020 Credit Facility, as amended, allows us to incur junior secured or unsecured debt in an amount no less than \$50 million, subject to certain conditions, including the requirement that 50% of the aggregate amount of such incurred debt (net of certain costs, fees and other amounts) must be applied to prepay the 2020 Credit Facility and compliance with certain leverage ratio-based covenant exceptions. Quarterly principal payments are required on the 2020 Term Loan aggregating approximately \$5.0 million

per quarter through March 31, 2024, and if the refinancing had not occurred, \$10.0 million would have been required in each of the three quarters thereafter, with the remaining and final payment due on the maturity date in March 2025.

At March 31, 2024 June 30, 2024, we had an outstanding balance under the 2020 2024 Term Loan of \$230.4 million \$350.0 million at an average interest rate of 9.9% 11.6%, with no revolver balance and \$3 million no of letters of credit outstanding with an interest rate of 4.5%, under our 2024 Credit Facility. The Company's Our interest rates under our 2020 Term Loan for the three six months ended March 31, 2023 June 30, 2023 benefited from a hedge instrument that was in place, specifically a fixed rate swap, which was sold in March 2023 (see Note 10). We were in compliance with all covenants of the 2024 Credit Facility and 2020 Credit Facility at both March 31, 2024 June 30, 2024 and December 31, 2023, respectively, including the current Consolidated Net Leverage Ratio calculation under the 2020 Credit Facility that considers considered our debt to include Preferred Stock.

We use letters of credit, performance bank guarantees and bid surety bonds in the course of our business. At March 31, 2024 June 30, 2024, we had \$9.7 9.5 million of letters of credit, bank guarantees, and performance and bid surety bonds outstanding (collectively, "Guarantees") under various uncommitted facilities and no letters of credit outstanding under the 2024 Credit Facility. At December 31, 2023, we had Guarantees aggregating \$7.9 million, comprised of the \$2.7 million \$2.7 million of letters of credit under the 2020 Credit Facility described above (the "Letters and \$5.2

million of Credit") Other Guarantees. At June 30, 2024 and \$7.0 million of bank guarantees and performance and bid bonds (collectively, the "Other Guarantees") under various uncommitted facilities. At December 31, 2023, we had \$7.9 million cash collateral of \$2.9 million and \$0.1 million, respectively, supporting the Guarantees, comprised of \$2.7 million of Letters of Credit and \$5.2 million of Other Guarantees, which are reported in Restricted cash in our condensed consolidated balance sheets.

We are exposed to financial market risk related to foreign currency fluctuations and changes in interest rates. These exposures are actively monitored by management. To manage the volatility related to the exposure to changes in interest rates, we may enter into a derivative financial instrument. Management's objective has been to reduce, where it is deemed appropriate to do so, fluctuations in earnings and cash flows associated with changes in interest rates. Our policies and practices are to use derivative financial instruments only to the extent necessary to manage exposures. We do not hold or issue derivative financial instruments for trading or speculative purposes.

As a result of exposure to interest rate movements, during March 2020, we entered into an interest rate swap arrangement, which effectively converted our \$400 million term loan with its variable interest rate based upon one-month LIBOR to an aggregate fixed rate of 0.904%, plus a leverage-based margin as defined in the 2020 Credit Facility. On July 22, 2022, we sold \$30 million of the notional amount of our interest rate swap back to our counterparty for \$1.5 million, reducing the notional amount of this swap to \$370 million. On August 16, 2022, we sold another \$30 million of the notional amount of our interest rate swap back to our counterparty for \$1.6 million, reducing the notional amount to \$340 million, which approximated the term loan debt then outstanding. The gain in accumulated other comprehensive (loss) income related to the \$60 million notional amount sold of \$3.1 million is was being released into earnings on a straight line basis over the remaining term of the 2020 Credit Facility as a decrease to interest expense, the amortization of which totaled \$0.2 \$0.4 million and \$0.3 0.5 million for the three six months ended March 31, 2024 June 30, 2024 and 2023, respectively. The remaining unamortized gain in accumulated other comprehensive (loss) income of approximately \$0.5 million was written off to interest expense in conjunction with the refinancing of the 2020 Credit Facility on June 21, 2024. On March 24, 2023, the Company received \$9.4 million, consisting of \$0.4 million of interest and \$9.0 million for the sale of \$170 million of its \$340 million notional amount interest rate swap back to its

counterparty, reducing the notional amount to \$170 million. On March 27, 2023, the Company received \$9.8 million, consisting of \$0.4 million of interest and \$9.4 million for the sale of the remaining \$170 million of its interest rate swap back to its counterparty. The portion of the gain in accumulated other comprehensive (loss) income related to the term loan debt prepaid on the date of the final sale of our swap totaled \$7.3 million and was released into earnings immediately as Other expense, net. The portion of the gain in accumulated other comprehensive (loss) income related to our remaining term loan debt balance totaled \$12.0 million and is was being released into earnings on a straight line basis over the remaining term of the 2020 Credit Facility as a decrease to interest expense beginning in the second quarter of 2023, the amortization of which was \$3.0 million and \$1.6 million for the three six months ended March 31, 2024 June 30, 2024 and 2023, respectively. The remaining unamortized gain in accumulated other comprehensive (loss) income of \$4.4 million was written off to interest expense in conjunction with the refinancing of the 2020 Credit Facility on June 21, 2024.

Our objectives in using interest rate derivatives have been to add stability to interest expense and to manage our exposure to interest rate movements. To accomplish this objective, we have used an interest rate swap as part of our interest rate risk management strategy. Interest rate swaps designated as cash flow hedges involve the receipt of variable amounts from a counterparty in exchange for making fixed-rate payments over the life of an agreement without exchange of the underlying notional amount.

The effective portion of changes in the fair value of designated derivatives that qualify as cash flow hedges is recorded in Accumulated other comprehensive income in the condensed consolidated balance sheet and is subsequently reclassified into earnings in the period that the hedged forecasted transactions affect earnings. During the three six months ended March 31, 2023 June 30, 2023, such a derivative was used to hedge the variable cash flows associated with the outstanding borrowings under the 2020 Credit Facility and the Company accounted for this derivative as an effective hedge until the final portion of the swap was sold on March 27, 2023. Any ineffective portion of the change in the fair value of the derivative would be recognized directly in earnings. However, we recorded no hedge ineffectiveness over the life of our swap. During the three six months ended March 31, 2023 June 30, 2023, we recorded \$7.3 million of Other expense, net due to the sale of our swap.

Cash Flows from Operating Activities

Our primary source of cash from operating activities has been from cash collections from our customers. We expect cash flows from operating activities to be affected by increases and decreases in sales volumes and timing of collections, and by purchases and shipments of inventory. Our primary uses of cash for operating activities have been for personnel costs and investment in our research and development and in our sales and marketing, and general and administrative departments.

Our operating activities provided cash of \$13.1 3.3 million in the three six months ended March 31, 2024 June 30, 2024. This , primarily resulting from included a \$6.7 million one time payment of accumulated dividends as a result of our redemption of our Preferred Stock liability on June 25, 2024. Cash provided by operating activities was also affected by lower accounts receivable and other operating assets, and certain non-cash non-

cash expenses such as amortization of intangible assets and stock-based compensation, compensation, and the increase in the fair value of our Preferred Stock liability. These amounts were partially offset by our net loss and lower accounts payable, deferred revenue and accrued expenses and other long-term liabilities, lower deferred revenue, higher inventory, and certain non-cash items such as amortization of an accumulated other comprehensive gain related to our interest rate swap and deferred income taxes. Higher product revenue in our IP Optical Networks segment and lower operating expenses company-wide due to our various cost saving initiatives, including lower employee and facilities expenses, continue to positively affect our operating cash flow.

Cash provided by operating activities in the three six months ended March 31, 2023 June 30, 2023 was \$11.1 \$8.6 million, primarily resulting from higher product revenue in our IP Optical Networks segment and lower operating expenses company-wide due to our various cost saving initiatives. Collections of accounts receivable and other lower employee and facilities expenses all positively affected our operating assets, higher accrued expenses and other long-term liabilities, higher deferred revenue, and certain non-cash expenses such as amortization of intangible assets and stock-based compensation. These amounts were partially offset by our net loss and lower accounts payable, higher inventory and certain non-cash items such as deferred income taxes and the gain on sale of our interest rate swap. cash flow in 2023.

Cash Flows from Investing Activities

Our investing activities used \$2.7 million \$5.9 million and \$2.4 million \$4.1 million of cash in the three six months ended March 31, 2024 June 30, 2024 and 2023, respectively, to purchase property and equipment and software licenses. equipment.

Cash Flows from Financing Activities

Our financing activities provided \$43.5 million of cash in the six months ended June 30, 2024. We received \$342.3 million of proceeds from the issuance of term debt related to the 2024 Credit Facility, net of \$7.7 million of original issue discount, that was established on June 21, 2024 to refinance the 2020 Credit Facility. Also, we had \$44.1 million of both borrowings and principal payments under the 2020 Revolving Credit Facility. In conjunction with the establishment of the 2024 Credit Facility, we repaid the 2020 Term Debt amounting to \$235.4 million, redeemed all of the outstanding Preferred Stock totaling \$56.9 million, and paid \$4.0 million in debt issuance costs. In addition, we paid \$2.6 million of tax obligations related to the vesting of stock awards and units.

Our financing activities used \$5.8 million \$36.7 million of cash in the three six months ended March 31, 2024 June 30, 2023, primarily due to \$5.0 million \$85.0 million of principal payments on our term debt, and \$0.8 million for the payment of tax withholding related to the net share settlements of restricted stock awards upon vesting. In addition, we had \$15.0 million of borrowings and \$15.0 million of principal payments under our 2020 Revolving Credit Facility.

Our financing activities used \$30.1 million of cash in the three months ended March 31, 2023, primarily due to \$80.0 million of principal payments, including a \$75.0 million prepayment in connection with the Sixth Amendment to the 2020

Credit Facility, \$1.6 million of debt issuance costs also paid in connection with the Sixth Amendment, and \$1.9 million \$3.5 million for the payment of tax withholding obligations related to the net share settlements vesting of restricted stock awards upon vesting. and units. In addition, we received \$53.4 million of proceeds from the issuance of the Preferred Stock and Warrants in the Private Placement.

The rate at which we consume cash is dependent on upon the cash needs of our future operations, including our contractual obligations at March 31, 2024 June 30, 2024, primarily comprised of our debt principal and interest obligations as described above, and our operating lease and purchase obligations. Our operating lease obligations totaled \$61.2 \$56.6 million at March 31, 2024 June 30, 2024, with payments to be made aggregating \$13.9 million \$9.1 million in the remainder of 2024, \$10.8 million \$10.9 million in 2025, \$9.0 million \$9.1 million in 2026 and \$27.5 million thereafter. Estimated payments for purchase obligations for the full year 2024 aggregate total approximately \$101 million. We anticipate devoting substantial capital resources to continue our R&D efforts, to maintain our sales, support and marketing, and for other general corporate activities. We believe that our financial resources, along with managing discretionary expenses, will allow us to manage the ongoing impact of inflation on our business operations. Looking ahead, we have developed contingency plans to reduce costs further if the situation deteriorates.

However, As of March 31, 2024, we do did not have sufficient cash on hand or available liquidity to repay the \$200.4 million due on March 3, 2025, the maturity date of our the 2020 Credit Facility. Therefore, substantial doubt was raised about our ability to continue as a going concern. In response to these conditions, management's plans include included refinancing the 2020 Credit Facility. We have Facility and we entered into a binding commitment letter (the "Commitment Letter") to refinance the 2020 Credit Facility. See Note 20 - Subsequent Event to our condensed consolidated financial statements, on May 15, 2024 for such refinancing. The refinance refinancing contemplated by the Commitment Letter is expected closed on June 21, 2024, establishing the 2024 Credit Facility, the proceeds of which, among other things, were used to close no later than June 30, 2024. However, because repay all amounts outstanding under the credit facility contemplated by the Commitment Letter has not yet been finalized, it cannot be deemed to be within our control. 2020 Credit Facility. As a result, such plans cannot be deemed probable and do not alleviate the there is no longer substantial doubt raised about our ability to continue as a going concern.

Based on our current expectations, we believe that our current cash and available borrowings under the 2024 Credit Facility will be sufficient to meet our anticipated cash needs for working capital and capital expenditures for at least twelve months from the date of issuance of these financial statements.

Recent Accounting Pronouncements

In December 2023, the Financial Accounting Standards Board (the "FASB") issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures* ("ASU 2023-09"), which increases the disclosure requirements around rate

reconciliation information and certain types of income taxes companies are required to pay. ASU 2023-09 will be effective for us beginning in 2025, with early adoption permitted. We are currently evaluating the impact of this accounting standard update on our consolidated financial statements and related disclosures.

In November 2023, the FASB issued ASU 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures* ("ASU 2023-07"), which improves reportable segment disclosure requirements, including enhancement of the disclosures of significant segment expenses and interim disclosure requirements, to enable investors to better understand an entity's overall performance and assess potential future cash flows. ASU 2023-07 will be effective for us annually beginning in 2024 and on an interim basis beginning in 2025, with early adoption permitted. We are currently evaluating the impact of this accounting standard update on our consolidated financial statements and related disclosures.

In October 2023, the FASB issued ASU 2023-06, *Disclosure Improvements: Codification Amendments in Response to the SEC's disclosure Update and Simplification Initiative* ("ASU 2023-06"), which amends the disclosure or presentation requirements related to various subtopics in the FASB Accounting Standards Codification. This ASU was issued in response to and to align GAAP with the SEC's August 2018 final rule that updates and simplifies disclosure requirements. The effective date for us for each amendment will be the date on which the SEC's removal of that related disclosure requirement becomes effective, with early adoption prohibited. We are currently evaluating the impact of this accounting standard update on our consolidated financial statements and related disclosures.

On February 1, 2023, the FASB staff noted that they believe that the Pillar 2 tax, established by the OECD and intended to apply for tax years beginning in 2024, would be an alternative minimum tax and therefore deferred tax assets would not need to be recognized related to this parallel taxing system. On February 2, 2023, the OECD issued administrative guidance providing transition and safe harbor rules around the implementation of the Pillar 2 global minimum tax. Under an additional transitional safe harbor released July 17, 2023, the undertaxed profits rule top-up tax will not be applied by any constituent entity's jurisdiction of residence with respect to income earned by a company's ultimate parent entity in its jurisdiction of residence, if the ultimate parent entity's jurisdiction has a corporate tax rate of at least 20%. This transition safe harbor will apply to fiscal years beginning on or before December 31, 2025 and ending before December 31, 2026. We are closely monitoring developments and evaluating the impacts these new rules will have on our tax rate, including eligibility to qualify for these safe harbor rules. Based upon preliminary calculations for calendar year 2024, we anticipate that we will meet the safe harbors in most jurisdictions, and any remaining top-up tax should be immaterial.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

We are exposed to market risk related to changes in interest rates and foreign currency exchange rates. There have been no material changes in market risk from the information provided in Item 7A. Quantitative and Qualitative Disclosures About Market Risk of our Annual Report on Form 10-K, for the year ended December 31, 2023.

Item 4. Controls and Procedures

Disclosure Controls and Procedures

Evaluation of Disclosure Controls and Procedures. Our management, with the participation of our principal executive officer and principal financial officer, evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")) as of the end of the period covered by this Quarterly Report on Form 10-Q. Based on this evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures were effective as of **March 31, 2024** **June 30, 2024**.

Changes in Internal Control over Financial Reporting. There have been no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during the fiscal quarter ended **March 31, 2024** **June 30, 2024** that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II OTHER INFORMATION

Item 1. Legal Proceedings

We are subject to legal proceedings and claims that have not been fully resolved and that have arisen in the ordinary course of business. Our material legal proceedings as described in Part I, Item 1 of this Form 10-Q in the notes to the condensed consolidated financial statements in Note 19, "Commitments and Contingencies," under the heading "Litigation."

The outcome of litigation is inherently uncertain. If one or more legal matters were resolved against the Company in a reporting period for amounts above management's expectations, our financial condition and operating results for that reporting period could be materially adversely affected. We settled certain matters during the **three six** months ended **March 31, 2024** **June 30, 2024** that did not individually or in the aggregate have a material impact on our financial condition or results of operations.

Item 1A. Risk Factors

Our business faces significant risks and uncertainties, which may have a material adverse effect on our business prospects, financial condition and results of operations, and you should carefully consider them. There have been no material changes in the **three six** months ended **March 31, 2024** **June 30, 2024** to the risk factors described in Part I, Item 1A. of our Annual Report on Form 10-K for the year ended December 31, 2023.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

(c) Issuer Purchases of Equity Securities

The following table provides information with respect to the shares of common stock repurchased by us for the periods indicated:

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Period	Total Number of Shares Purchased (1)	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet be Purchased Under the Plans or Programs
January 1, 2024 to January 31, 2024	194,201	\$ 2.84	—	\$ —
February 1, 2024 to February 29, 2024	2,735	\$ 3.24	—	\$ —
March 1, 2024 to March 31, 2024	100,397	\$ 2.83	—	\$ —
Total	297,333	\$ 2.84	—	\$ —

Period	Total Number of Shares Purchased (1)	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet be Purchased Under the Plans or Programs
April 1, 2024 to April 30, 2024	593,611	\$ 2.60	—	\$ —
May 1, 2024 to May 31, 2024	28,904	\$ 3.30	—	\$ —
June 1, 2024 to June 30, 2024	50,910	\$ 2.96	—	\$ —
Total	673,425	\$ 2.66	—	\$ —

(1) Upon vesting of restricted stock awards, certain of our employees surrender to us a portion of the newly vested shares of common stock to satisfy the tax withholding obligations that arise in connection with such vesting. During the **first** **second** quarter of 2024, **297,333** **673,425** shares of restricted stock were returned to us by employees to satisfy tax withholding obligations arising in connection with vesting of restricted stock.

Item 5. Other Information

During the three months ended **March 31, 2024** **June 30, 2024**, none of the Company's directors or officers (as defined in Rule 16a-1(f) of the Securities Exchange Act of 1934) adopted, terminated or modified a Rule 10b5-1 trading arrangement or non-Rule 10b5-1 trading arrangement (as such terms are defined in Item 408 of Regulation S-K of the Securities Act of 1933). During the three months ended **March 31, 2024** **June 30, 2024**, the Company did not adopt, terminate or modify a Rule 10b5-1 trading arrangement.

Item 6. Exhibits

Exhibit No.	Description
2.1	Agreement and Plan of Merger, dated as of November 14, 2019, by and among the Registrant, Ribbon Communications Israel Ltd., Eclipse Communications Ltd., ECI Telecom Group Ltd. and ECI Holding (Hungary) Korlátolt Felelősségű Társág (incorporated by reference to Exhibit 2.1 to the Registrant's Current Report on Form 8-K, filed November 14, 2019 with the SEC).
2.2	Amended and Restated Purchase Agreement, dated December 1, 2020, among Ribbon Communications Inc., Ribbon Communications Operating Company, Inc., Ribbon Communications International Limited and American Virtual Cloud Technologies, Inc. (incorporated by reference to Exhibit 2.1 to the Registrant's Current Report on Form 8-K, filed December 7, 2020 with the SEC).
3.1	Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.2 to the Registrant's Current Report on Form 8-K12B, filed October 30, 2017 with the SEC).
3.2	Certificate of Amendment of the Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K, filed November 28, 2017 with the SEC).
3.3	Certificate of Designation of Series A Preferred Stock (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K, filed March 30, 2023 with the SEC).
3.4	Certificate of Amendment of the Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K, filed August 4, 2023 with the SEC).
3.5	Amended and Restated By-Laws of the Registrant (incorporated by reference to Exhibit 3.3 to the Registrant's Annual Report on Form 10-K, filed March 8, 2018 with the SEC).
4.1	Form of Warrant (incorporated by reference to Exhibit 4.1 to the Registrant's Current Report on Form 8-K, filed March 30, 2023 with the SEC).
10.1	Senior Secured Credit Facilities Credit Agreement, dated June 21, 2024 by and among the Company, as a guarantor, Ribbon Communications Operating Company, Inc., as the borrower, HPS Investment Partners, LLC, as administrative agent, HPS Investment Partners, LLC and Whitehorse Capital Management, LLC, as lenders, joint lead arrangers and joint bookrunners, and the other lenders party thereto (incorporated by reference to Exhibit 10.1 to the Registrant's Current Report on Form 8-K, filed June 24, 2024 with the SEC).
31.1 *	Certificate of Ribbon Communications Inc. Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2 *	Certificate of Ribbon Communications Inc. Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1 #	Certificate of Ribbon Communications Inc. Chief Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2 #	Certificate of Ribbon Communications Inc. Chief Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS *	Inline XBRL Instance Document
101.SCH *	Inline XBRL Taxonomy Extension Schema
101.CAL *	Inline XBRL Taxonomy Extension Calculation Linkbase
101.DEF *	Inline XBRL Taxonomy Extension Definition Linkbase
101.LAB *	Inline XBRL Taxonomy Extension Label Linkbase
101.PRE *	Inline XBRL Taxonomy Extension Presentation Linkbase
104 *	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

* Filed herewith.

Furnished herewith.

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.

Date: May 15, 2024 July 29, 2024

RIBBON COMMUNICATIONS INC.

By: /s/ Miguel A Lopez

Miguel A. Lopez
Executive Vice President and Chief Financial Officer (Principal Financial Officer)

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CERTIFICATION

I, Bruce McClelland, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Ribbon Communications Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 15, 2024 July 29, 2024

/s/ Bruce McClelland

Bruce McClelland
President and Chief Executive Officer
(Principal Executive Officer)

CERTIFICATION

I, Miguel A. Lopez, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Ribbon Communications Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 15, 2024 July 29, 2024

/s/ Miguel A. Lopez

Miguel A. Lopez
Executive Vice President and Chief Financial Officer
(Principal Financial Officer)

EXHIBIT 32.1

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Ribbon Communications Inc. (the "Company") for the period ended March 31, 2024 June 30, 2024 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Bruce McClelland, President and Chief Executive Officer of the Company, hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to his knowledge:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 15, 2024 July 29, 2024

/s/ Bruce McClelland

Bruce McClelland
President and Chief Executive Officer
(Principal Executive Officer)

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Ribbon Communications Inc. (the "Company") for the period ended **March 31, 2024** **June 30, 2024** as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned, Miguel A. Lopez, Executive Vice President and Chief Financial Officer of the Company, hereby certifies, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to his knowledge:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: **May 15, 2024** **July 29, 2024**

/s/ Miguel A. Lopez

Miguel A. Lopez
Executive Vice President and Chief Financial Officer
(Principal Financial Officer)

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