



Ribbon's Innovative 400G ZR+ Solution Changes Optical Transport Economics

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Market-leading offer optimized for metro and long-haul applications

PLANO, Texas, June 1, 2021 /PRNewswire/ -- [Ribbon Communications Inc.](#) (Nasdaq: RBBN), a global provider of real time communications software and IP optical networking solutions to service providers, enterprises, and critical infrastructure sectors, today announced its new TM400_2 line card. Part of the [Apollo](#) optical networking portfolio, the TM400_2 leverages 400G ZR+, a disruptive technology that incorporates pluggables to deliver improved economics and flexibility.



"Operators now have the option to build their optical transport systems with multiple 400G lanes, increasing cost efficiencies and network flexibility over embedded optical solutions," said Jimmy Yu, Vice President, Dell'Oro Group. "This innovation is well-timed to prepare for the rise of 400GbE transport as the next dominant load being carried over optical networks."

The TM400_2 delivers 400G optical transmission using standard and interoperable CFP2 DCO (Digital Coherent Optic) pluggables, optimized for transport over CDC (Colorless Directionless Contentionless) ROADMs (Reconfigurable Optical Add-Drop Multiplexer) networks, in either independent wavelength or dual carrier modes. Leveraging multiple wavelengths allows for longer transmission distances than what embedded 800G solutions, often reliant on costly proprietary technology, can achieve with a single wavelength.

- In independent wavelength mode, the TM400_2 uses two 400G wavelengths to provide significant cost efficiencies compared to a single 800G embedded solution for metro applications.
- In dual carrier mode, the TM400_2 combines two high-performance 200G wavelengths to provide a 400G channel for long haul applications, delivering superior cost performance to current embedded solutions.

"With traffic loads increasing, our customers are looking for a revolutionary transport solution that meets today's and tomorrow's needs," said Sam Bucci, Executive Vice President & General Manager of Ribbon's IP Optical Networks Business Unit. "We're proud to be the first to market with this flexible, cost-effective solution."

About Ribbon

Ribbon Communications (Nasdaq: RBBN) delivers communications software, IP and optical networking solutions to service providers, enterprises and critical infrastructure sectors globally. We engage deeply with our customers, helping them modernize their networks for improved competitive positioning and business outcomes in today's smart, always-on and data-hungry world. Our innovative, end-to-end solutions portfolio delivers unparalleled scale, performance, and agility, including core to edge software-centric solutions, cloud-native offers, leading-edge security and analytics tools, along with IP and optical networking solutions for 5G. To learn more about Ribbon visit [rbbn.com](#).

Important Information Regarding Forward-Looking Statements

The information in this release contains forward-looking statements regarding future events that involve risks and uncertainties. All statements other than statements of historical facts contained in this release, including those regarding the expected benefits from use of Ribbon Communication's products, are forward-looking statements. The actual results of Ribbon Communications may differ materially from those contemplated by the forward-looking statements. For further information regarding risks and uncertainties associated with Ribbon Communications' business, please refer to the "Risk Factors" section of Ribbon Communications' most recent annual or quarterly report filed with the SEC. Any forward-looking statements represent Ribbon Communications' views only as of the date on which such statement is made and should not be relied upon as representing Ribbon Communications' views as of any subsequent date. While Ribbon Communications may elect to update forward-looking statements at some point, Ribbon Communications specifically disclaims any obligation to do so.

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