Comcast Deploys Ciena Technology to Extend Fiber Impact

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Ciena's 5131 Coherent Access Platform enables Comcast to deploy 100 Gb/s capacity everywhere, including rural regions

HANOVER, Md.--(BUSINESS WIRE)--Sep. 30, 2025-- Comcast and Ciena (NYSE:CIEN) today announced that Comcast is deploying Ciena's 5131 Coherent Access Platform (CAP) to help extend fiber connectivity faster and more efficiently.

Ciena's coherent router technology will enable Comcast to extend the reach of its current fiber deployments more than 100 km and deliver 100 Gb/s—capacity to serve residential, small to medium-sized business (SMB), enterprise, and community anchor institutions—to new and existing communities with unserved or underserved connectivity needs.

"We continue to expand our footprint so we can deliver next generation connectivity to as many communities as possible," said Elad Nafshi, Executive Vice President, Chief Network Officer for Comcast Connectivity and Platforms. "Ciena's coherent routing technology is the newest tool to help us pursue this goal as efficiently as possible. This platform can be useful in supporting our Rural Broadband and BEAD initiatives that are critical to improving digital opportunity across America."

"Breakthroughs in network technology can redefine what's possible for entire communities," said Kevin Sheehan, CTO of the Americas, VP of Sales Engineering at Ciena. "Working together, Ciena and Comcast have brought this unique solution to market, allowing Comcast to deliver 100 Gb/s over longer distances without the need for expensive hub sites or power-hungry equipment. It can help accelerate broadband deployments and ensures that every community can benefit from fast, reliable connectivity."

Ciena's 5131 CAP not only enables Comcast to extend fiber 100 km or more through the use of coherent optics, but also significantly surpassing the reach of the existing DWDM fiber plant. The solution is deployed in a standardized, line-powered, weatherproof enclosure, simplifying installation and operation. Ciena's technology reduces complexity and accelerates delivery by eliminating the need for costly, power-hungry cabinets, traditional routers and switches, or specially equipped hub sites.

About Comcast Corporation

Comcast Corporation (Nasdaq: CMCSA) is a global media and technology company. From the connectivity and platforms we provide, to the content and experiences we create, our businesses reach hundreds of millions of customers, viewers, and guests worldwide. We deliver world-class broadband, wireless, and video through Xfinity, Comcast Business, and Sky; produce, distribute, and stream leading entertainment, sports, and news through brands including NBC, Telemundo, Universal, Peacock, and Sky; and bring incredible theme parks and attractions to life through Universal Destinations & Experiences. Visit www.comcastcorporation.com for more information.

About Ciena

Ciena (NYSE:CIEN) is the global leader in high-speed connectivity. We build the world's most adaptive networks to support exponential growth in bandwidth demand. By harnessing the power of our networking systems, components, automation software, and services, Ciena revolutionizes data transmission and network management. With unparalleled expertise and innovation, we empower our customers, partners, and communities to thrive in the AI era. For updates on Ciena, follow us on LinkedIn and X, or visit the Ciena Insights webpage and Ciena website.

Note to Ciena Investors

You are encouraged to review the Investors section of our website, where we routinely post press releases, SEC filings, recent news, financial results, and other announcements. From time to time we exclusively post material information to this website along with other disclosure channels that we use. This press release contains certain forward-looking statements that are based on our current expectations, forecasts, information, and assumptions. These statements involve inherent risks and uncertainties. Actual results or outcomes may differ materially from those stated or implied, because of risks and uncertainties, including those detailed in our most recent annual and quarterly reports filed with the SEC. Forward-looking statements include statements regarding our expectations, beliefs, intentions or strategies and can be identified by words such as "anticipate," "believe," "could," "estimate," "expect," "intend," "may," "should," "will," and "would" or similar words. Ciena assumes no obligation to update the information included in this press release, whether as a result of new information, future events or otherwise.

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