



NEWS RELEASE

# ADTRAN Delivers 100G Transport to Streamline Scale and Simplify Economics for 10G PON Services

2019-10-28

Immediately allows customers to expand the range and reach of high-capacity FTTH deployments with market-leading TA5000

HUNTSVILLE, Ala.--(BUSINESS WIRE)-- **ADTRAN®**, Inc., (NASDAQ:ADTN), a leading provider of next-generation open networking and subscriber experience software, today announced that network operators worldwide can now deliver multi-terabit scale with the market-leading Total Access 5000 (TA5000). With general availability of this innovative new 100G transport capability, each TA5000 can scale to support more than 20k customers per system.

**Totah Communications** is leveraging the new 100G capability as part of its transport network to aggregate traffic from several TA5000 chassis already deployed in its access network. This 100G transport network is required to support the ever-increasing broadband demands and bandwidth-intensive applications such as 4K video streaming, gaming and cloud-based services. Totah's network spans rural communities in Oklahoma and Kansas, and it believes that having the 100G transport network will play a key role in improving customers' broadband experience.

"With the 100G available, we have the scale needed to expand the range and reach of our Fiber-to-the-Premise services without the added capital and operational impact of adding a new platform to our network," said Totah Communications President and General Manager Mark Gailey. "ADTRAN's ability to deliver one platform with the Total Access 5000 that can scale to meet today's needs and tomorrow's, is the type of streamlined, operationally efficient system that makes it the ideal solution as we expand our fiber rollouts. There is no need to maintain two network infrastructures. This allows Totah to use USF dollars to continue to get the speeds our customers demand, and the FCC requires."



With the SM200 100G Switch Module, Nx100G uplinks with integrated DWDM transport can now be delivered with the TA5000, providing a streamlined, economically efficient path to meet and exceed network capacity needs today, tomorrow and into the future. The ability to scale to 100G means that any of the nearly 60,000 TA5000s deployed can quickly and cost-effectively scale simultaneous multi-gigabit business, residential and backhaul services with a platform that has served as the trusted cornerstone of a service provider's access networks for over a decade.

ADTRAN continues to lead the 10G PON transformation by providing up to 560Gbps uplink capacity and 1.2Tbps of switching capacity as part of the TA5000 platform. It provides the scaled network capacity required by mass deployment of multi-gigabit services over 10G PON and is the ideal addition to ADTRAN's broad 10G existing portfolio. The SM200 Ethernet Ring Protection Switching (ERPS) support together with the TA5000 Optical Network Edge capabilities provides flexibility for network transport, and network deployment options from both Central Office (CO) and Remote Terminal (RT) locations.

"To support multiple 10G PON service delivery, the SM200 Switch Module supports non-blocking connectivity to every access module slot," said ADTRAN Product Line Manager Javier Lopez. "The increased capacity of the switch fabric for the Total Access 5000 SM200 allows operators to scale both network and subscriber bandwidth for years to come—without a forklift replacement."

The Total Access 5000 SM200 Switch Module is SD-Access ready and available now. More information can be found [here](#).

## About ADTRAN

At ADTRAN, Inc., we believe amazing things happen when people connect. From the cloud edge to the subscriber edge, we help communications service providers around the world manage and scale services that connect people, places and things to advance human progress. Whether rural or urban, domestic or international, telco or cable, enterprise or residential—ADTRAN solutions optimize existing technology infrastructures and create new, multi-gigabit platforms that leverage cloud economics, data analytics, machine learning and open ecosystems—the future of global networking. Find more at [ADTRAN](#), [LinkedIn](#) and [Twitter](#).

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Source: ADTRAN, Inc.