



NEWS RELEASE

# ADTRAN Clears Path to 10G Everywhere for Everyone

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Expanded 10G Fiber-to-the-Premises (FTTP) portfolio enables Gigabit Society

HUNTSVILLE, Ala.--(BUSINESS WIRE)-- **ADTRAN®**, Inc., (NASDAQ:ADTN), the leading provider of next-generation open networking solutions, today announced the addition of the ADTRAN SDX 621X—a **10G PON** residential optical network terminal (ONT)—to its portfolio of next-generation 10G PON business ONTs. The expanded FTTP solution set allows carriers to provide multi-gigabit services for everyone, everywhere and maximize existing optical distribution networks to save time and costs.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20181015005495/en/>

Total Access 5000 (Photo: Business Wire)

The new ADTRAN **SDX 621X** ONT supports symmetrical 10G PON technologies and uses a flexible optics approach that enables service providers to support existing fiber-to-the-home (FTTH) subscribers, while also simultaneously supporting higher-bandwidth business and 4G/5G “anyhaul” services over a single, common network.

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The ADTRAN Total Access 5000 fiber broadband platform combines integrated packet optical transport, 100G switching, combined with PON redundant multi-gigabit FTTP broadband service delivery to allow operators of all sizes to customize their network and introduce next-generation fiber technologies. The addition of the ADTRAN 621X residential subscriber end-point to this industry-leading platform further extends ADTRAN’s 10G PON leadership for service providers of all types and opens the door to mass market 10G PON deployment.



“The original use cases for 10G PON focused on multi-gigabit enterprise and infrastructure backhaul services, given the high costs of 10G PON ONT optics,” Ovum Principal Analyst Julie Kunstler said. “Technical innovation, as seen within the ADTRAN 10G PON solution, along with economies of scale spurred by 10G deployments globally, are driving down the cost difference between GPON and 10G. Consequently, 10G PON is now a viable option for residential subscriber deployments, and operators understand the competitive and future-proofing benefits of moving to 10G.”

The ADTRAN **SDX 621X** ONT offers a compelling multi-gigabit, symmetric alternative to single gigabit capable GPON, EPON, Gfast and DOCSIS 3.1 services being deployed today and is supported by the ADTRAN Mosaic Subscriber Experience suite, allowing service providers to **monetize the subscriber edge** while improving customer loyalty and operation efficiency.

Emerging high-bandwidth applications like high-resolution 360° video, autonomous vehicles and fully-immersive applications are set to consume the capacity levels supported by today's 1G PON broadband connections (GPON and EPON). 10G FTTP architectures extend the life and profitability of a PON network infrastructure. Fixed wavelength, symmetric 10G PON technologies now offer compelling economics for global mass-market fiber deployments, and service providers with even greater capacity needs are already choosing multi-wavelength 10G PON technologies based on ITU-T **NG-PON2** standards. Both 10G PON technologies allow service providers to access more of the near-unlimited bandwidth of optical fiber than before, delivering high-end services over a cost-effective PON architecture that previously required a more expensive point-to-point fiber build.

“The demand for higher capacity fiber access will continue to grow as new applications enter the market and operators look to increase efficiency by converging all services onto a common infrastructure,” ADTRAN Portfolio Director for Fiber Access Ryan McCowan said. “With 100G switching, 10G access, and now mass-market 10G CPE, covered by end-to-end open service orchestration, ADTRAN is leading the next wave in fiber broadband.”

## About ADTRAN

ADTRAN, Inc. is the leading global provider of networking and communications equipment. ADTRAN's products enable voice, data, video and Internet communications across a variety of network infrastructures. ADTRAN solutions are currently in use by service providers, private enterprises, government organizations, and millions of individual users worldwide. For more information, please visit us at **[www.adtran.com](http://www.adtran.com)**, **LinkedIn** and **Twitter**.

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