



NEWS RELEASE

## ADTRAN Advances Gigabit Society with Latest G.fast Innovations

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New market-ready reverse powered G.fast 212MHz and cDTA solutions allow service providers to expand symmetric Gigabit services over a single pair

HUNTSVILLE, Ala.--(BUSINESS WIRE)--May 9, 2017-- **ADTRAN®**, Inc., (NASDAQ:ADTN), a leading provider of next-generation open networking solutions, today announced that it will be conducting the first public demonstration of the ITU-T's two most recent **G.fast** advancements, 212MHz and coordinated dynamic time allocation (cDTA), at the **G.fast Summit 2017** in Paris, France, May 9-11, 2017. These advances enable the delivery of symmetric Gigabit services over a single copper pair, mitigating the need to bond multiple pairs of copper. For the first time, service providers can use a single technology to easily extend business-class Gigabit speeds over existing wiring.

"Advancements in consumer electronics and applications continue to drive consumer bandwidth demands in the direction of Gigabit broadband. At the same time, governments around the world are increasingly recognizing that much of their future competitiveness will come in the form of digital innovation. They are implementing policies encouraging investments in telecommunications technologies that enable the vision of a Gigabit Society, which will underpin their digital competitiveness strategies," said Ronan Kelly, CTO EMEA and APAC for ADTRAN. "ADTRAN's demonstration of our G.fast Gigabit solutions reinforces our commitment to bringing solutions that deliver and support the Gigabit Society vision, but in timescales and cost models that are relevant to the broader Telecoms Operator community."

ADTRAN is demonstrating the new 212MHz G.fast standard, which doubles the usable spectrum. This enables service providers to deliver Gigabit rates over a single copper pair rivaling most fiber services. ADTRAN is also

extending its reverse power feature set to this advanced solution once again mitigating the time and cost to source local power. Together, they allow service providers to accelerate their Gigabit and ultra-fast broadband service deployments by approximately 12 to 18 months and up to one third the cost per subscriber. This will provide telcos with a distinct competitive advantage over cable providers that are deploying DOCSIS 3.1, where the symmetric Gigabit service capabilities of 212MHz G.fast cDTA remains out of reach of DOCSIS3.1—today and for the foreseeable future.

ADTRAN, which first demonstrated DTA over coax at last year's G.fast Summit, is demonstrating the second phase of DTA. cDTA, like earlier DTA function, improves G.fast upstream performance by four to five times by dynamically balancing upstream and downstream performance to match residential traffic patterns in real-time. Unlike the earlier DTA feature, cDTA expands the applicability of this QoE-boosting feature to existing phone wiring, which covers nearly all residential and commercial premises. These two most recent G.fast advancements, 212MHz and cDTA, extract even greater overall performance from an operator's existing assets, and in a significant portion of scenarios, eliminates the need for full FTTH for the coming decade. For the first time, G.fast provides a technology that service providers can leverage to more rapidly and more cost-effectively extend symmetric Gigabit fiber services and expand ultra-fast broadband service to the wider market.

Designed and built to form an integral part of the **ADTRAN MOSAIC** Open **Software Defined Access platform**, operators embracing these solutions today can take comfort from the knowledge that the G.fast access elements in their network are ready to adopt the SDN paradigm shift just as soon as the operators' IT departments are ready.

The G.fast Summit 2017 is the world's premier event focused on deployments, experimentations, standardization processes and equipment provider offerings within the G.fast market. ADTRAN's demonstration will take place at Booth #2 on May 9-11, 2017. As the platinum sponsor of the event, ADTRAN representatives will also be presenting on key developments and innovations in G.fast.

## About ADTRAN

ADTRAN, Inc. is a 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 [www.adtran.com](http://www.adtran.com).

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