



MaxLinear and AVM attain XGS-PON market readiness with BBF.247 ONU Certification

The accreditation underlines XGS-PON as the fastest growing technology choice for Fiber-To-The-Home deployments

Fremont, California, 15 December 2020: As the broadband industry accelerates fiber network rollouts across the globe, [Broadband Forum](#) today announced that [MaxLinear](#) and [AVM](#) are the most recent vendors that have attained certification for XGS-PON as part of its [BBF.247](#) GPON Optical Network Unit (ONU) Certification Program.

The accreditation of the two new vendors highlights the importance of XGS-PON becoming the fastest growing technology choice for Fiber-To-The-Home (FTTH) deployments. In June, it was announced that the [certification program had been expanded to certify XGS-PON ONUs](#) to help facilitate global PON mass deployments and to help operators take a major step in network evolution.

The certification program addresses a variety of ONUs and once certified, the ONU products can be deployed faster with greater interoperability to existing Optical Line Terminal (OLT) equipment already deployed. There is increasing importance of XGS-PON in ensuring network deployments are future-proof, both for new greenfield deployments and power uses in a fiber overlay of brownfield deployments.

"The gigabit broadband future is based on fiber optics, with both users and operators looking for high-performance products right at the connection," says Peter Fixel, CTO at AVM. "This certification for our FRITZ!Box 5530 Fiber confirms the reliable use of powerful Fiber/Wi-Fi CPEs in an open market."

"We are excited to be a part of Broadband Forum's BBF.247 GPON ONU Certification Program as the technology transitions to multi-gigabit access and we commence deployments of next-generation broadband services," said Doron Tal, General Manager Broadband Access at MaxLinear. "We recognize the importance of certification, the value of industry standards and interoperability has never been higher in helping us deliver solutions that enable the future era of broadband."

Currently, ONUs undergo rigorous testing at Broadband Forum's official certification program test laboratory [Laboratoire des Applications Numeriques](#) (LAN Laboratory), using [MT2](#)'s ONU testing solution. More than 100 products have been certified since the program's launch which helps ensure conformance and inter-vendor interoperability with GPON, XG-PON and XGS-PON technologies. The testing includes additions to the technology, extended OMCI messages format, Enhanced Unicast & Multicast Operations, and Capacity Tests & Performance Monitoring.

"The additions of MaxLinear and AVM reaffirms the continued importance of our certification program alongside our partner LAN Laboratory as operators across the globe look to expedite the deployment of fiber rollouts," said Robin Mersh, CEO at Broadband Forum. "The certification ensures that operators and equipment manufacturers are investing in trusted and proven products that will provide their end-users with the exemplary service they expect."

The certification helps provide network operators with the open specifications and open source references they require for faster time-to-market of services and technologies to their end-users and enhanced efficiency of their networks. The program also helps pave the way for the expansion of superfast broadband and the development of new technologies.

To learn more about Broadband Forum and LAN Laboratory's GPON ONU Certification Program, visit: <https://www.broadband-forum.org/testing-and-certification-programs/bbf-247-gpon-onu-certification>.

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About the Broadband Forum

Broadband Forum is the communications industry's leading open standards development organization focused on accelerating broadband innovation, standards, and ecosystem development. Our members' passion – delivering on the promise of broadband by enabling smarter and faster broadband networks and a thriving broadband ecosystem.

Broadband Forum is an open, non-profit industry organization composed of the industry's leading broadband operators, vendors, thought leaders who are shaping the future of broadband, and observers who closely track our progress. Its work to date has been the foundation for broadband's global proliferation and innovation. For example, the Forum's flagship TR-069 CPE WAN Management Protocol has nearly 1 billion installations worldwide.

Broadband Forum's projects span across 5G, Connected Home, Cloud, and Access. Its working groups collaborate to define best practices for global networks, enable new revenue-generating service and content delivery, establish technology migration strategies, and engineer critical device, service & development management tools in the home and business IP networking infrastructure. We develop multi-service broadband packet networking specifications addressing architecture, device and service management, software data models, interoperability and certification in the broadband market.

Our free technical reports and white papers can be found at <https://www.broadband-forum.org/>.

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About Laboratoire des Applications Numeriques (LAN Laboratory)

The Laboratoire des Applications Numeriques (LAN) is a unique independent laboratory specialized in conformance, interoperability and coexistence tests of devices deployed by telecom operators in the access and home networks (DSL, G-PON, Broadband-PLC, ...), by DSOs in Smartgrids networks using powerline communications (G3-PLC), and by the industry in video security networks (E&PoC). LAN also offers on-demand test services dedicated to PON network operators, addressing their needs in terms of pre-deployment qualification tests for each specific network they operate. LAN is one of the Broadband Forum's Approved Test Laboratory (ATL), the unique one accredited by the Broadband Forum to conduct the worldwide recognized BBF.247 certification tests for G-PON, XG-PON and XGS-PON terminals.

For more information on Laboratoire des Applications Numeriques, please go to www.lanpark.eu, follow @Laboratoire_LAN on Twitter, or send an Email to contact@lanpark.eu.

About MT2

MT2 leads the industry in FTTH G-PON and XGS-PON network test, offering troubleshoot, monitoring deep analysis of products, and 'single-click' automated test suite solutions. MT2's analyzers and OLT emulators have the unique powerful features to allow the user to simply 'software-select', and switch between GPON, XG-PON, XGS-PON or NG-PON2, all within the same single system. MT2 ensures

the complicated protocols and subscriber internet access traffic complies with every spec, automatically, using a powerful and intuitive user interface, high precision and innovative design. MT2 actively contributes to the Broadband Forum activity, as a test-tool vendor, and developed its FTTH automated test suites for functionality and performance testing, covering BBF.247, TR-309 and TR-255, critical to ensure system quality and full validation of any operator's FTTH network.

For more information on MT2, please go to www.mt2.fr, follow MT2ftth on [LinkedIn](#), or send an Email to mt2@mt2.fr