Multi-usage processing platform for very high bandwidth PON signals

MT2 PON Platform

First and only multi-usage PON processing platform. **XG-PON capable**

- High performance : Handles 4 x 10Gb/s ports
- May be used as either an **Analyzer** or an **OLT emulator**
- Software licenses available for **GPON** and **XG-PON**
- Ethernet/Wifi managing interface, **LAN/WAN Access**
- Highly integrated and portable design : 18 x18 x 3 cm, <1 kg
- Robust and sturdy aluminum casing

MT2 has been leading the way in broadband signals analysis for some years now.

The success of our tools, particularly the NIVA-GPON series, stems from both its **user-friendliness** and its ability to process the data **continuously and in real time**: a unique feature in very high bandwidth signal analysis.

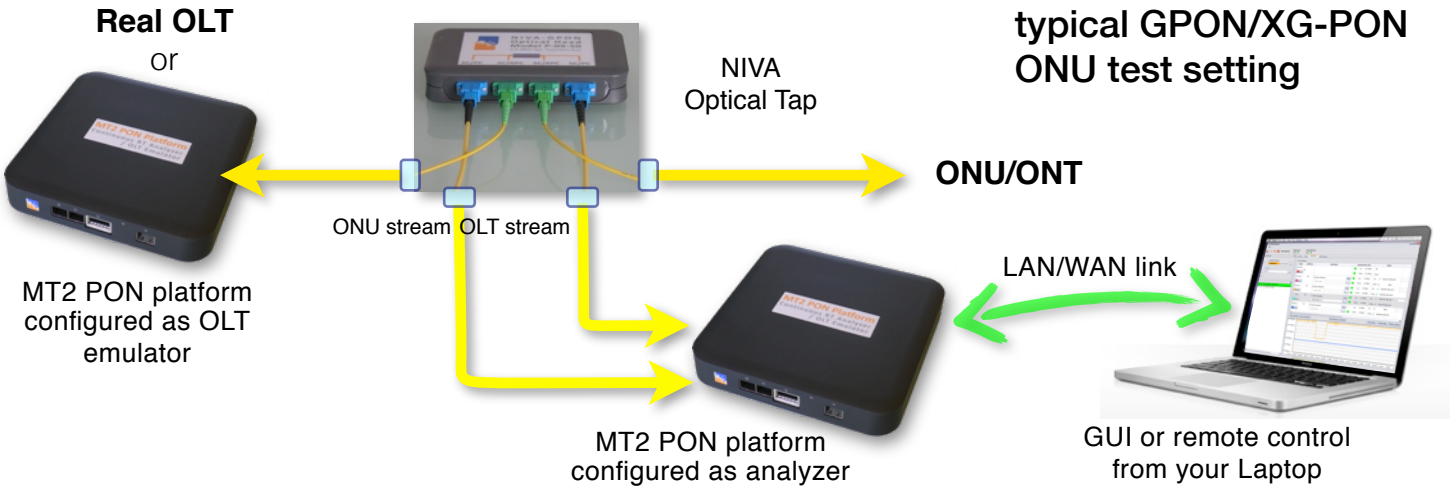
Our **neutrality** and **independence from any chipset** has convinced both the Broadband Forum and the LAN to use MT2 eOLT emulator for **BBF.247 ONU conformance testing.**

With newer, faster standards such as **XG-PON**, real-time analysis of data has become a tougher challenge, and MT2 is now proud to present **the first and only XG-PON capable tool on the market**.

Processing is performed by a **state-of-the art FPGA**, allowing for complete signal analysis/generation, even at the highest bandwidth, with no saturation.

MT2 PON platform may be configured to work as either an **analyzer** or an **OLT emulator**, for either **G-PON or XG-PON** protocols, in a tiny form factor: it is the swiss-knife of optical analysis.

The PON platform is controlled through a **network connection** (ethernet/Wifi, configured for either LAN or WAN access) from a regular PC installed with the proper GUI software (GPON/XG-PON/..., Analyzer/Emulator).



MT2 PON Platform is a multi-usage optical processing unit. Configuration is achieved using the proper software licenses, which may be purchased independently. Available licenses are:

Standard \ Function	Analyzer	OLT Emulator
XG-PON	✔ NIVA-XGPON*	✔ eOLT-XGPON*
GPON	✔ NIVA-GPON*	✔ eOLT-GPON*

*: Detailed description, for each available software license, is provided in their respective datasheet

Use cases examples: chipset development, certification/standard testing (BBF.247, BBF WT-255, ...), ONU development, service validation, interoperability testing, in-site high-level debugging...

Power: 12V. A universal power block is provided (100/240 V - 50/60 Hz)

Data interfaces: 3 SFP+ (up to 10 Gb/s) - 1 10 Gb/s XFP
Control interface: 1 1000 Base T Ethernet, Wifi

Form factor: 18 x 18 x 3 cm

Weight: 700g (with no transceivers installed, and no power block)

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