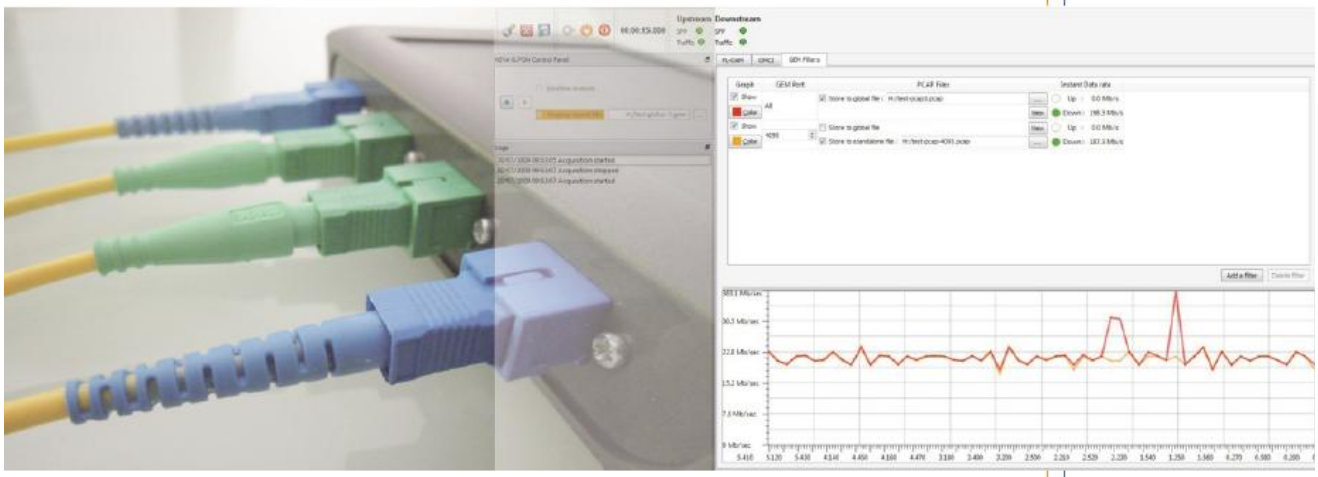
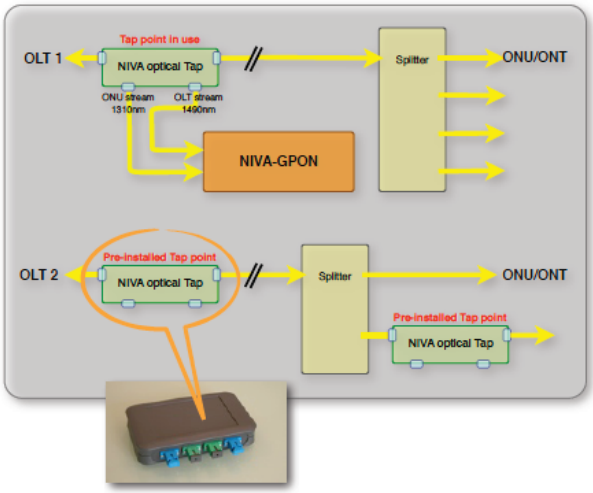
# NIVA-GPON



«Get and analyze in Real Time all the information exchanged between ONT and OLT among GPON optical interfaces»

**Moesarc Technology UK Ltd** **www.moesarc.co.uk** **Tel 01962 881878**

**Unique** : Separate Optical Heads allow Pre-installed Tap points for future non intrusive connexion of the NIVA-GPON.




**NIVA-GPON**, optimized for the real time, delivers immediately the result of the GPON signals analysis as well as up & downstream data. This important feature provides a unique ease of use for day to day lab testing.

The GUI, heir of the famous GUI of the **NIVA-ADSL**, brings all the ease for an immediate or deferred analysis as well as the creation of reports. Its use is simple and intuitive, with a clear and complete data presentation.

The fine and complete OMCI&PLOAM messages analysis point out the **NIVA-GPON** as a complete tool for performance analysis, standard compliance and interoperability tests.

Its Client-Server architecture similar to that of the **NIVA-ADSL**, the most powerful ADSL/2/2+ analyzer on the market, provides the highest flexibility to third party tools integration and remote control.

MT2 also introduces the concept of **separate optical head**. This approach allows, by letting optical heads in situ on the fiber, to have non intrusive tapping points available at any time.

**NIVA-GPON** is the best choice for interoperability tests as well as for performance measurements in R&D labs and service quality valuation of GPON links for Chipset or Equipment manufacturers and for service providers (TELCO or CLEC).

## NIVA-GPON Advantages

### Truthful monitoring

- Monitors PON streams from OLT and ONU
- No GPON-specific chipset
- Accurate data recovery for upstream bursts
- Low insertion loss optical head

### GPON protocol analysis

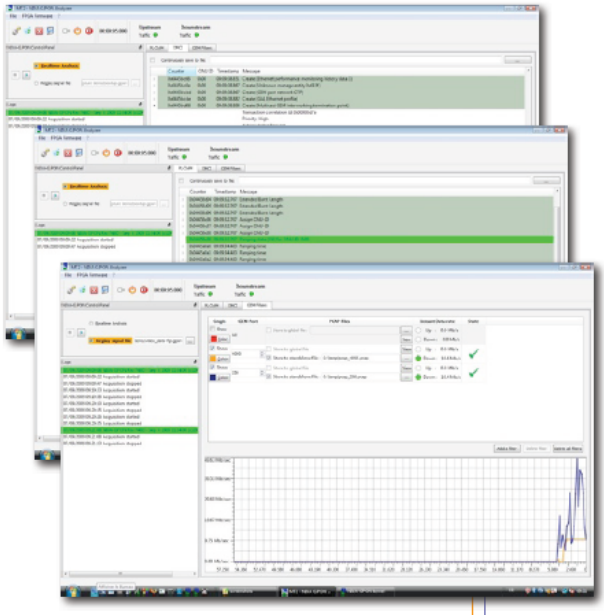
- According to G.984.1/2/3/4
- Native real time
- AES and Reed Solomon decoding
- PLOAM and OMCI deep analysis with diagram generation
- Complete XML reports generation

### Upper layer decoding

- Unique filtering according to GEM portID / VLAN ID & IPlevel thanks to an intuitive syntax
- Precise timestamping (NTP option)
- Realtime interfacing with third-party service-level tools.
- PCAP file format storage for offline analysis

### Graphical User Interface

- Local or remote control through TCP/IP (Client-Server)
- Clear, concise & User Friendly GUI
- Linux/Windows support



## Specifications

### Optical Head

Dimensions : 150mm(W) 100mm(D) 30mm(H)
Weight : 150g

### PC

Many computers can satisfy the needs for NIVA-GPON in terms of power and hardware capabilities. Contact MT2 for more information. NIVA-GPON runs on Windows or Linux.

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