

SmartOLT 460

Ethernet/GPON Features

- Compliant with ITU-T G984.1, G.984.2, G.984.3, G.984.4 and G.988
- OLT and ONUs' remote management via OMCI
- Dynamic Bandwidth Allocation (DBA) for QoS
- Capacity to book guaranteed bandwidth and to limit "best effort" per service and user, in both directions, with 64 Kbps granularity
- 802.1ad, 802.1Q, 802.1p to support the different VLAN scenarios in BBF TR-156
- IGMP Snooping and Querier
- Multicast filtering (up to 256 IP Multicast addresses per PON)
- FEC coding in both directions
- 128-bit AES encryption

SNMP

- Port status, alarms and temperature check
- Status changes notifications and alarms
- IP access filtering available for SNMP v1, v2c and v3
- Configurable notification sending to multiple destinations
- Individual disabling of notification sending per alarm/destination

Interfaces

- 12 x SFP PON ports: up to 1.536 ONTs
- 2 x 10G SFP+ ports for transport
- 1x Fast Ethernet port for management
- 1x USB console port
- Class B+ and class C+



SmartOLT 460

TELNET GPON Management System (TGMS)

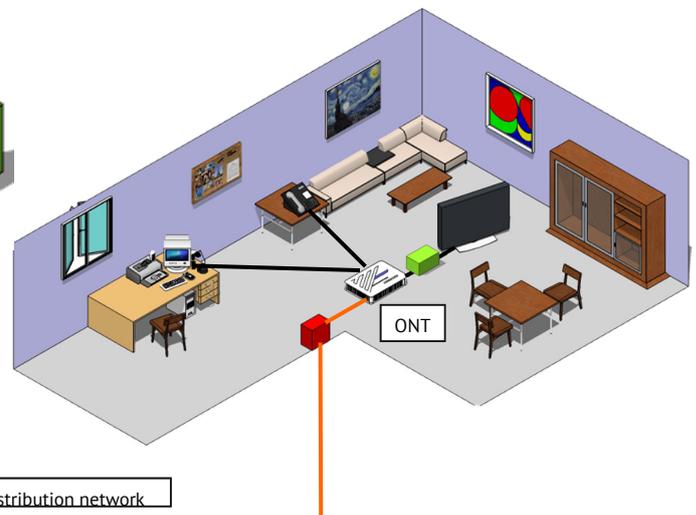
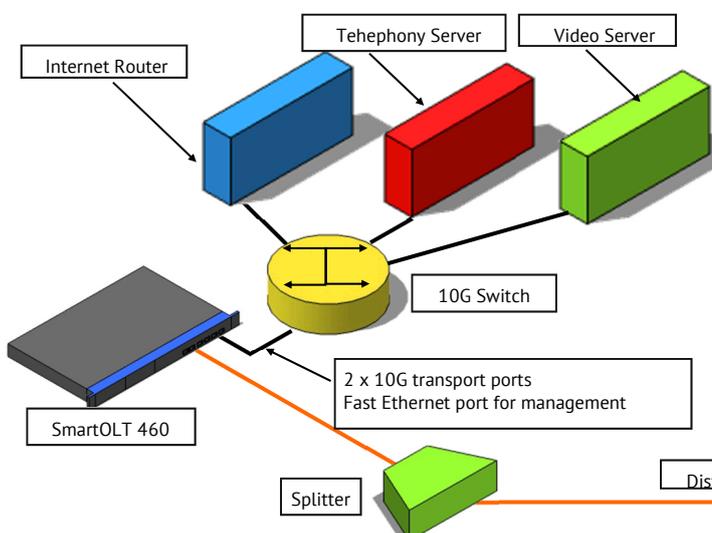
- Web management of all OLTs and ONUs
- Powerful interface for configuration time reduction
- Users profiles' management
- New attached ONTs automatically discovered for an easy provisioning
- Different IPTV packs per user configuration availability
- Easy ONU SIP parameters configuration
- Automatic ONTs reconfiguration when their profile is changed

Other features

- Size: 1UA x 19"
- Redundant power supply, different options:
 - Universal power-supply: 2 x 110-220V AC, 50-60Hz con CEE 7/7 plug by default
 - Available: -48V DC
- Max. power consumption: 90W

Ordering information

- Name: SmartOLT 460
- Reference: 400040253 (220V AC)



Stepped investment according to needs

The TELNET Redes Inteligentes SmartOLT 460 is an equipment designed for operators who want to implement GPON FTTH network while harmonizing deployment costs with new subscribers. Indeed, in any FTTH deployment the initial investment required to serve the first subscribers is critical, forcing the operator to make significant expenditures in equipment when customer volume is still small.

Advanced Ethernet traffic processing

The TELNET SmartOLT 460 includes all the features essential for treatment of traffic from/for users at Ethernet level. Natively, without additional costs, the SmartOLT 460 supports in all ports features 802.1p (Class of Service), 802.1Q (VLAN), 802.1ad (QinQ VLAN) and IGMP (for multicast video).

BW limitation and IPTV features

TELNET GPON solution provides guaranteed and best effort policies in both upstream and downstream, and gives the flexibility to configure them per service and per user.

All TELNET WaveAccess ONTs are also able to filter traffic based on destination multicast IP addresses. This feature allows operator to offer different IPTV channel packs per user without using expensive and complex encryption systems.

Small size OLT

With its 12 PON ports (up to 1.536 ONTs), it is designed for medium density deployments such as small towns, companies, hotels and resorts (FTTR, or Fiber To The Room), etc.

The SmartOLT 460 is fully compatible with 350 and 240 models, allowing its coexistence in the network and the scalability with a staggered investment.

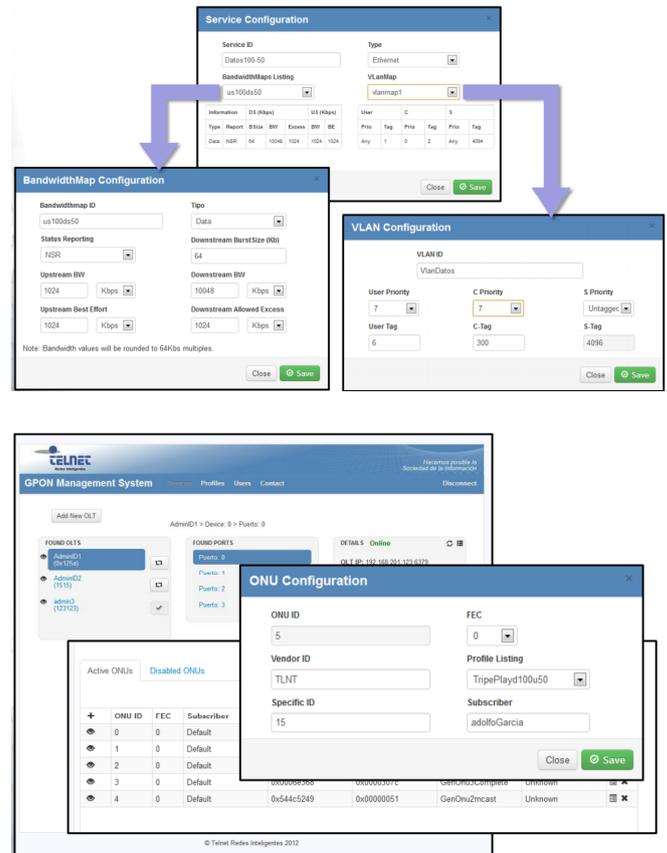
TGMS: centralized management architecture

TELNET GPON Management System's objective is to abstract the operator from the complexities of the OMCI protocol, allowing him an easy and intuitive management and configuration by using its graphical interface.

TELNET GPON Management System allows managing in a unified way multiple SmartOLT 460 as if they were a single system, creating ONT's profiles with the services corresponding to each offer that the operator wants: telephony, video, data, double-play or triple-play. The profile is assigned in an easy way to the subscriber's ONT, including the contracted services pack.

This management system is particularly faced to usability and ease of subscribers' management, making very simple the profile creation and new subscribers' ONTs discovery in order to assign these profiles and start serving them in an easy way. It also offers the possibility to see the status of the ONTs available in each PON, its status and the services it has assigned at any time.

The centralized management of OLTs functionality allows the operator to increase its network capacity by just adding a new SmartOLT (240,350 or 460) to its rack and, with a single mouse-click, export user profiles and service offers. Furthermore, this modular architecture provides significant advantages to the operator as there is not a singular point of failure since each SmartOLT is independent in its feeding needs, monitoring and treatment of Gigabit Ethernet traffic.



TGMS interface

Contact Information

TELNET Redes Inteligentes Headquarters

Industrial Area Centrovía
18 Buenos Aires St.
50198 La Muela, Saragossa, Spain
Phone: (+34) 976 14 18 00
Fax: (+34) 976 14 18 10
telnet@telnet-ri.es

Commercial office in Madrid

85 Menéndez Pelayo Avenue, 1º A
28007 Madrid, Spain
Phone: (+34) 91 434 39 92
Fax: (+34) 91 434 40 84

Subsidiary in Portugal

NETIBERTEL
35 Fontes Pereira de Melo Avenue, 14ºD
1050 -118 Lisbon, Portugal
comercial.pt@telnet-ri.es

Subsidiary in Mexico

TELNET Azteca
Darwin 74, 3 floor, Col. Anzures
Del. Miguel Hidalgo C.P. 11590
Mexico
comercial.mexico@telnet-ri.es

www.telnet-ri.es