

SmartOLT 350

General features

- Service Provider endpoint equipment for GPON networks
- Extremely intuitive management through TGMS web interface
- Two northbound possibilities: 10G or 4x1000Base-T
- Reduced cost per GPON port
- Allows reducing the entry barrier of investment in a GPON

Ethernet/GPON Features

- ITU-T G984.1, G.984.2, G.984.3, G.984.4 and G.988 fully compliant
- Remote ONU Management via OMCI
- QoS oriented adaptive DBA algorithm
- Capacity to reserve guaranteed BW and limit best effort BW per service of each user, in both directions with 64 Kbps granularity.
- 802.1ad, 802.1Q, 802.1p to support different VLAN scenarios from BBF TR-156
- QoS aware switching
- DHCP Relay with option 82
- IGMP Snooping and Querier
- Multicast filtering (up to 256 multicast IP addresses)
- FEC coding in both directions
- 128-bit AES encryption

Interfaces

- 4x SFP GPON ports. 2,5Gb downstream, 1,25 Gb upstream
- 1x SFP+ 10G for transport which allows 100% of GPON BW usage
- 4x GbE for transport (One GbE port per PON port)
- 1x FastEthernet management port
- 1x USB console interface
- B+ and C+ OLT optics available



SmartOLT 350

Ordering information

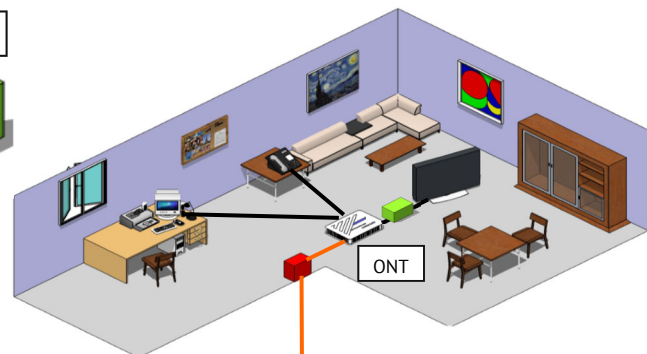
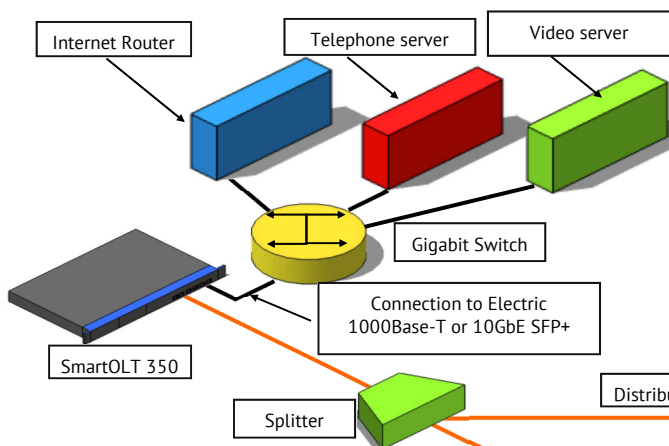
- Name: SmartOLT 350
- Reference: 400040117

TELNET GPON Management System (TGMS)

- Web management of all OLTs and ONUs of the operator
- Powerful interface for reducing configuration time
- Management of user profiles
- New attached ONUs automatically detected for easy provisioning by operator
- Oriented to be able to configure different IPTV packs per user
- Easy configuration of ONU SIP parameters
- Automatic reconfiguration of ONUs when their profile is changed

Other characteristics

- Size: 1UA x 19"
- Redundant power supply, different options:
 - Universal power-supply: 110-220V AC, 50-60Hz with CEE 7/7 plug as default.
 - -48V DC
 - Consumption: 40W



Stepped investment according to needs

The TELNET Redes Inteligentes SmartOLT 350 is an equipment designed for operators who want to implement GPON FTTH network while harmonizing deployment costs with new subscribers. With minimal start-up budget it allows the operator to serve GPON to early customers and gradually extend the capabilities of the equipment to attract new subscribers.

Advanced Ethernet traffic processing

SmartOLT 350 includes the features needed for treatment of traffic from/for users at Ethernet level. Natively it supports in all ports features 802.1p (Class of Service), 802.1Q (VLAN), 802.1ad (QinQ VLAN) and IGMP (for multicast video).

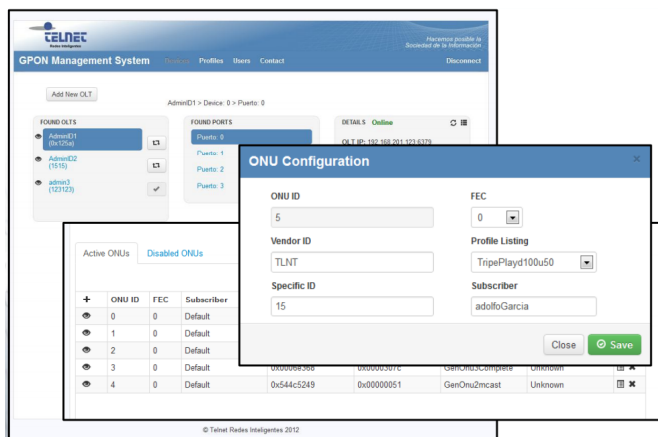
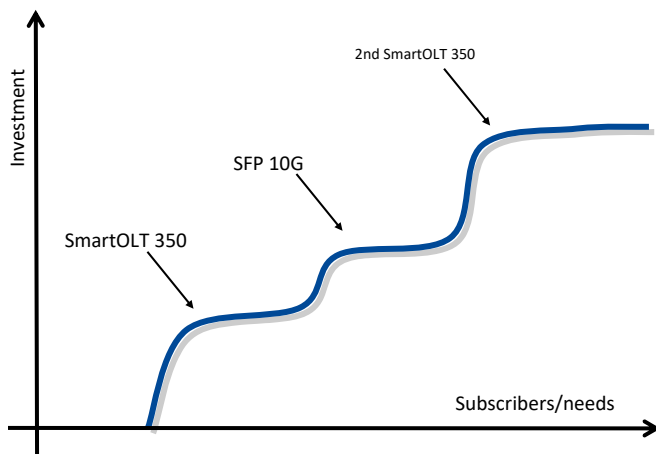
BW limitation and IPTV features

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 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.

Modularity of GbE and 10 GbE ports

4x1GbE/10GbE ports modularity facilitates integration to the operator's systems. It has 4 Gigabit Ethernet electrical ports (RJ-45). When the operator wishes to extend the connection of their systems to the maximum allowed by GPON protocol (4x2,5/1,25Gb), simply needs to acquire a 10G SFP+ module..



TGMS

Centralized management architecture

TELNET GPON Management System (TGMS) allows managing in a unified way tens of SmartOLT (of any model 240, 250, 350, 460 and 570) as if they were a single system. It allows creating ONT profiles corresponding to each service offer.

It also offers the possibility to see the status of the ONUs available in each PON, the status and the services it has been assigned at any time.

This management system is particularly aimed at usability and ease of management of the subscribers, being very simple the configuration and management of the OLTs and ONTs.

The centralized management of OLTs allows the operator to increase its network capacity by just adding a new SmartOLT. Furthermore, this modular architecture provides significant advantages to the operator as there is not a singular point of failure since each SmartOLT 350 is independent in its feeding needs, monitoring and treatment of Gigabit Ethernet traffic.

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*Technical specifications could change without previous notice. For latest information please contact with TELNET Redes Inteligentes