

SmartOLT 240

General features

Central Office Equipment for GPON Networks

Intuitive management using TGMS web interface

Advanced configuration mode via CLI

Transport interface: 4x1000Base-T

Cost reduction per PON port

Ethernet/GPON features

Compliant with ITU-T G984.1, G.984.2, G.984.3, G.984.4 and G.988

Remote management of ONUs via OMCI

Dynamic Bandwidth Allocation (DBA) oriented to 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

QoS in switching

DHCP Relay with 82 option

IGMP Snooping and Querier

Multicast Filtering (up to 256 IP Multicast addresses)

FEC coding in both directions

Interfaces

4x SFP GPON Ports

4x 1GbE transport network

1x FastEthernet for management port

1x USB for console management

OLT B+ and C+ SFPs available

SNMP

Check port status, alarms and temperature.

Notification using traps of status changes and alarms

Access filtering by IP available for SNMP v1, v2c and v3

Configurable notification sending to multiple destinations

Individual disabling of notification sending per alarm or destination

TELNET GPON Management System

Access and management via web to all OLTs and ONUs

Intuitive interface to reduce configuration time

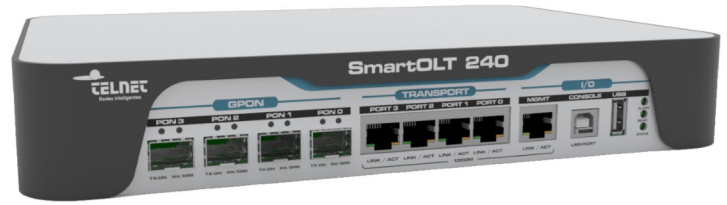
User profile management

Automatic detection of new ONUs connected for an easier provisioning

Designed to easily assign different IPTV packages per user

Intuitive configuration of SIP parameters

Automatic reconfiguration of ONU when its profile is changed



Management via CLI

Access to CLI using Telnet, SSH or RS-232

Capacity to store update images in the device.

File copy using TFTP or SCP

Time synchronization using NTPv4, time zone configuration and possibility to store the time.

User management

Installation

Dimensions: 274mmx194mmx50mm

Power supply 110-220V AC, 50-60Hz with CEE 7/7

Power consumption: 24W

Ordering information

Name: SmartOLT 240

Reference: 400040236

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Compact device

The SmartOLT 240 is a desktop equipment with all the functionalities integrated such as power supply and Ethernet ports to transport network.

Bandwidth control and IPTV services

TELNET GPON solution provides guaranteed bandwidth and “best-effort” policies both in downlink and uplink, and gives flexibility to define in an independent way per service and user.

The TELNET WaveAccess ONU family is capable of filtering traffic using the IP Multicast address. This allows the operator offering different channel packages per user without the need of investing in expensive and complex coding systems.

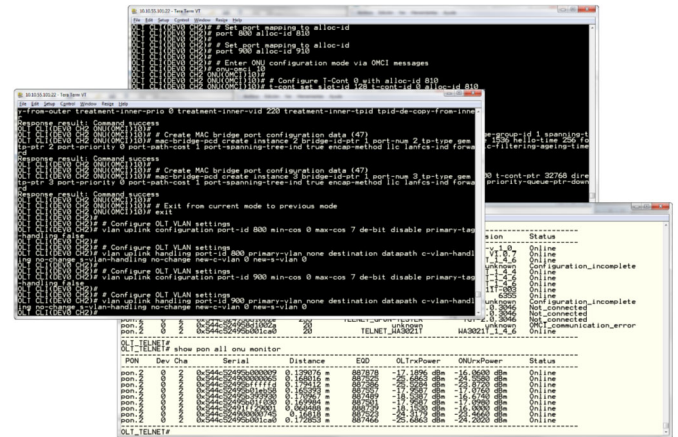
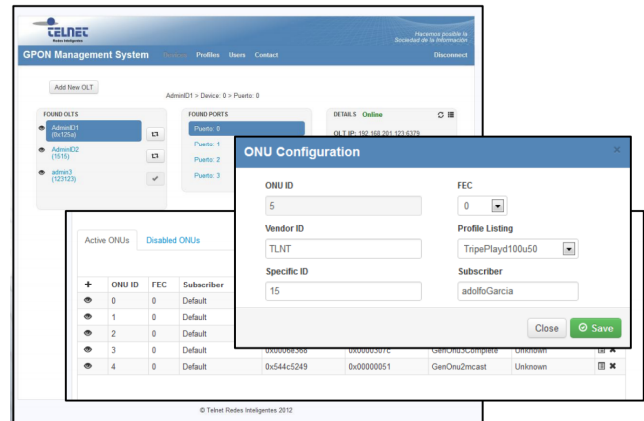
Dual configuration mode

The TELNET Redes Inteligentes SmartOLT 240 has two configuration modes, one low-level and the other, the TGMS, a web interface that allows an easy network configuration and management.

The low-level configuration mode consists of a CLI that allows studying and configuring PLOAM management layer parameters and OMCI configuration of GPON devices. This configuration system allows a detailed and total control in the configuration and management of the ONU provisioning models. This feature is perfect for teaching and research of GPON protocol.

The TGMS (TELNET GPON Management System) is a WEB platform that allows configuring and managing services in the GPON network at a high level. Thanks to its graphical interface, it makes it easy to abstract from GPON protocol, allowing the configuration of complex transport scenarios in an intuitive manner.

Using this configuration mode, a complete access network can be set -up in a few clicks, without the need of knowing GPON protocol.



Centralized management architecture

TELNET GPON Management System allows managing in a unified way dozens of SmartOLT 240 from a single interface.

This management system allows the creation of several ONU profiles with the services corresponding to each offer the operator has in its portfolio, such as telephony, video, data, double-play, triple-play, allowing to later assign the subscriber's ONU the service package in an intuitive and fast way.

It is specially designed for usability and easiness in subscribers management, being very simple to create profiles and discovering new subscriber's ONUs.

The centralized architecture allows the operator to increase its network capacity by just adding a new SmartOLT 240 to its rack, and with a single mouse click, export user profiles and service offers. On top, the modular architecture gives the operator significant advantages as there is no singular point of failure, since each SmartOLT 240 is completely independent in power supply, supervision and traffic management.

