



EPON OLT

4*EPON + 4*GE ETH + 4*10G SFP+

EL4



Overview

EL4 is a small-capacity 1U box EPON OLT series. It uses the industry-leading commercial chip to fully support the IEEE802.3ah EPON technology standard and meets the EPON OLT equipment requirements of YD/T 1945-2006 Technical requirements for access network. It can realize ONU hybrid networking of different manufacturers and has good interoperability. The EL4 system has good stability and high reliability. It supports multiple management modes such as CLI, WEB & SNMP. The graphical management interface is clear, friendly and easy to use. EL4 provides 4 downstream EPON ports, 4*1000Base-T uplink ETH ports and 4 Uplink SFP+ ports. EL4 adopts the industrial advanced technology, with powerful Ethernet services. It is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of things, etc. Each EPON port supports Up to 1:64 Split ratio, total up to 256 EPON users, supporting different types of ONU in different networks, minimizing operators' investments. The 1U height can be easy to install and maintain. It is an excellent choice for operators to quickly deploy FTTH networks.

Characteristics

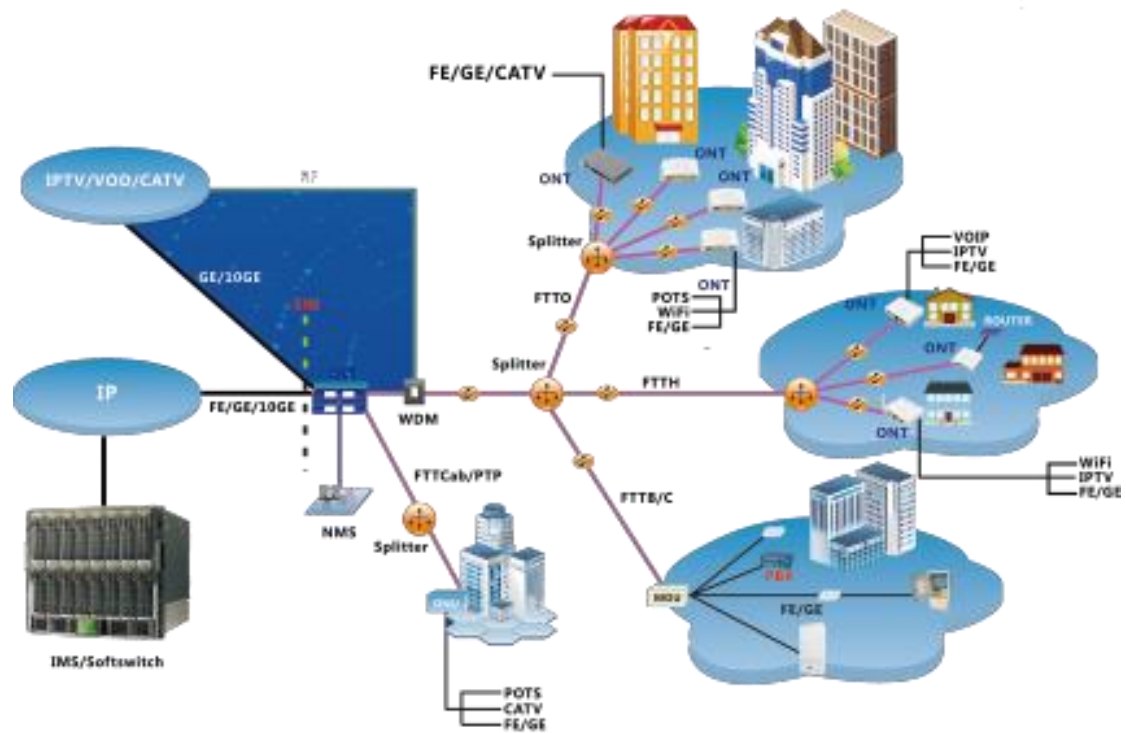
- * Applicable to county and town level fiber optical network access and monitoring transmission, meets FTTH requirements to provide complete access to IP telephony, broadband data, IPTV, etc.
- * Provides 4 downstream EPON ports, 4*1000Base-T uplink ETH ports and 4 Uplink SFP+ ports.
- * Maximum support 256 ONT (1:64 splitter).
- * Provides configuration for RS232 serial port (RJ45) and management for external network port.
- * Supports CLI command line.
- * Supports L2 exchange, L3 basic routing function, 4G switching broadband.
- * Under the 1:32 splitter, the distance between the OLT and the ONU can reach 20km.
- * Support WEB management and SNMP management, integrated switch function
- * 1U rack mount, built-in cooling fan, good heat dissipation, stable operation.

Specification

Item	EL4
Dimension	440mm x 309mm x 44mm
Weight	2.5kg
Data interface	4 downstream EPON ports, 4*1000Base-T uplink ETH ports and 4 Uplink SFP+ ports
Management	1*10/100Base-T RJ45 port with management
Indicator light	RUN: system is running ALM: system alarms PWR: power indicator

	PON1-PON4 two indicator lights for each port show: PON port LINK status, and port protection
	GE4 two indicator lights for each port show: Gigabit up-link port link status and running status
Power supply	AC: Input 90~264V
Operation	working temperature: -5℃ ~ +50℃ working humidity: 10% ~ 90% (non-condensation)
EPON standard	Compatible with IEEE802.3ah
DBA	Supports fixed bandwidth guaranteed bandwidth peak bandwidth, weight configurations and the minimum bandwidth allocation
Security	Supports PON network and AES Triple stir encryption, Supports ONU MAC address binding and filtering
Multicast	Supports IGMP Snooping and IGMP Proxy
QoS	supports 802.1p priority queue scheduling, supporting terminal to terminal QOS configuration
ACL	Supports destination IP, source IP, destination MAC, source MAC, destination protocol port number, source protocol port number, SVLAN, DSCP, TOS, Ethernet type, IP protocol type, etc
	Supports packet filtering rules based on the above
	Support COS setting which base on above rules, IP priority setting, mirroring, rate limiting and port redirection
Alarm	Support alarm
NMS	supports local and remote CLI configuration

Application



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