Layer2 4 Ports EPON OLT

Key Features:

Small Size and Cost Effective OLT

Fast ONU Register

Credit Time Control

Support ONU auto-discovery/auto-configuration/remote upgrade of firmware

WEB/CLI/EMS Management

Introduction:

GL-E8604T-M is a low cost EPON OLT product, it is 1U height, and can be expanded into 19 inch rack mount products by hanging ears. The features of the OLT are small, convenient, flexible, easy to deploy. It is appropriate to be deployed in compact room environment.The OLTs can be used for "Triple-Play",VPN, IP Camera, Enterprise LAN and ICT applications.

The E8604T-M provide 4 GE interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

Each uplink port is connected to a EPON port directly, each PON port behaves as an independent, that EPON OLT port and there is no traffic switching between PON Ports and each PON port forwards packets to and receive packets from one dedicated uplink port.

E8604T-M provides the full management functions for onu according to CTC standard, Each of the 4 EPON OLT ports is fully compliant with IEEE 802.3ah standard and CTC 2.1specification for SerDes, PCS, FEC, MAC, MPCP State Machines, and OAM extension implementation. Both upstream and downstream are operational at 1.25 Gbps data rates.

Application:

Technical Specifications:

Management Ports: 1*10/100BASE-T out-band port,   1*CONSOLE port

PON   Port   Specification:

Transmission Distance: 20KM

EPON port speed" Symmetrical   1.25Gbps

Wavelength: TX-1490nm,   RX-1310nm

Connector: SC/UPC

Fiber Type: 9/125μm SMF

Management Mode:

SNMP, Telnet and CLI

Management Function:

Fan Group Control

Port Status monitoring and configuration

Layer-2 configuration such as Vlan, Trunk ，RSTP, IGMP, QOS, etc

EPON management: DBA,ONU authorization,etc

Online ONU Configuration & Management

User management, Alarm management

Layer 2 feature:

Up to 16 K MAC address

Support port VLAN and VLAN tag

VLAN transparent transmission

Port stability statistic and monitoring

EPON Function:

Support port-based rate limitation and bandwidth control

In compliant with IEEE802.3ah standard

Up to 20KM transmission Distance

Support Dynamic Bandwidth Allocation (DBA)

Support ONU auto-discovery/link detection/remote upgrade of software

Support VLAN division and user separation to avoid broadcast storm

Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels

Support power-off alarm function,easy for link problem detection

Support broadcasting storm resistance function

Support port isolation between different ports;

Specialized design for system breakdown prevention to maintain stable system

Online dynamic distance calculation on EMS

Item		V1600D-MINI
Chassis	Rack	1U Height Box
Uplink Port	Port count	4
	Copper	4*10/100/1000M auto-negotiation
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Max splitting ratio	1:64
	Supported PON module level	PX20, PX20+, PX20++, PX20+++
Backplane Bandwidth (Gbps)		16
Port Forwarding Rate(Mpps)		11.904
Dimension (LxWxH)		224mm*200mm*43.6mm
Weight		2kg
Power Supply		AC:90~264V, 47/63Hz
Power Consumption		15W
Operating Environment	Working Temperature	0~+50°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90% (non-condensing)

Ordering information:

Product Name	Product Description	Power Configuration	Accessories
GL-E8604T-M	4*EPON,4*RJ45	1*AC power	EPON SFP PX20++ module EPON SFP PX20+++ module