

# GL-E8604T-GLC

## 4 Port EPON OLT



### Product Description

EPON 4-port OLT is a 1U rack-mounted central office device with three-layer function developed by Shenzhen GL-COM Technology Co., Ltd. in the industry. The product complies with the IEEE802.3ah standard, and complies with the Chinese CTC 2.1/3.0 standard, and is compatible with mainstream manufacturers ONU, it is convenient to construct EPON network flexibly and efficiently. It has the characteristics of dexterity, easy deployment, and high performance to meet the user's requirements for device performance and size in different environments. It also supports WEB, Telnet, and SSH to provide users with stable, efficient, and value-added network access services. The product is suitable for networks such as "three networks in one", optical fiber access of the resident network, security monitoring network, corporate LAN and other networks, with extremely high cost performance. EPON 4-port OLT equipment provides 4 EPON service ports, 2 Gigabit Ethernet ports, and 2 SFP Gigabit optical ports. It supports the access of up to 256 EPON ONU users with a split ratio of 1:64.

### Main Features

**Compliance with international and Chinese standards:** Comply with IEEE802.3ah standard.  
Comply with China CTC 2.1/3.0 standards

**Fully open platform:** Compatible with ONU access of mainstream brands

**Flexible management:** Support Telnet/CLI/WEB management

**Cost-effective:** 1u highly compact design. Using mainstream high-performance chip solutions

## Product Specification

Item		V1600D4-L
Case	Frame	1U 19 inch standard box
1000M Uplink Port	QTY	4
	Copper	2 * 10/100/1000M auto negotiation
	SFP (Independent)	2 * SFP slot
EPON Port	QTY	4
	Physical Interface	SFP slot
	Connector Type	1000BASE-PX20 +
	Maximum Split Ratio	1:64
Manage the Port		1 * 10 / 100BASE-T out-of-band port 1 * CONSOLE port
PON Port Specification	Transmission Distance	20KM
	EPON Port Speed	Symmetrical 1.25Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC / PC
	Fiber Type	9 /125μmSMF
	TX Power	+ 2 ~ + 7dBm
	Rx Sensitivity	-27dBm
	Saturated Optical Power	-6dBm
Management Mode		SNMP, Telnet and CLI, EMS and WEB
Management Functions		Fan group detection; Port status monitoring and configuration management; Layer 2 switch configuration, such as VLAN, RSTP, IGMP, QOS, etc.; EPON management functions: DBA, ONU authorization, ACL, QOS, etc.; Online ONU configuration and management; User Management; Alarm management.
Layer 2 Switch		16K Mac address; Support 4096 VLANs; Support port VLAN and protocol VLAN; Support VLAN Tag / Un-tag, VLAN transparent transmission; Support Vlan translation and QinQ; Support port-based storm control; Support port isolation; Support port rate limit; Support 802.1D and 802.1W; Support static LACP;

		<p>QoS is based on port, VID, TOS and MAC address;</p> <p>Access control list;</p> <p>IEEE802.x flow control;</p> <p>Port stability statistics and monitoring;</p> <p>ONU switch is in the same PON;</p>
	Multicast	<p>IGMP snooping;</p> <p>256 IP multicast groups;</p>
	EPON Function	<p>Support port-based rate limiting and bandwidth control;</p> <p>Comply with IEEE802.3ah standard;</p> <p>The transmission distance can reach 20KM;</p> <p>Support data encryption, multicast, port VLAN, separation, RSTP, etc.;</p> <p>Support dynamic bandwidth allocation (DBA);</p> <p>Support ONU automatic discovery/link detection/software remote upgrade;</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support various LLID configurations and single LLID configurations; different users and different services can provide different QoS through different LLID channels;</p> <p>Support power failure alarm function to facilitate link problem detection;</p> <p>Support broadcast anti-storm function;</p> <p>Support port isolation between different ports;</p> <p>Support ACL and SNMP to flexibly configure packet filtering;</p> <p>Special design for system failure prevention to keep the system stable;</p> <p>Support EMS online dynamic distance calculation;</p> <p>Support RSTP, IGMP proxy.</p>
	Dimension (L * W * H)	442mm*200mm*43.6mm
	Weight	4.2kg
Power Supply	220VAC	<p>AC: 90~264V, 47/63Hz</p> <p>Support dual hot backup</p>
	Energy Consumption	30W
Operating Environment	Operating Temperature	-10 ~ + 55°C
	Storage Temperature	-40 ~ + 85°C
	Relative Humidity	5~90% (non-regulated)

Application:

