

OLT EPON 8 PON 1RU 1*AC CON SFP

MODELO LAN-E1008



Product Overview

LAN-E1008 EPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. 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.

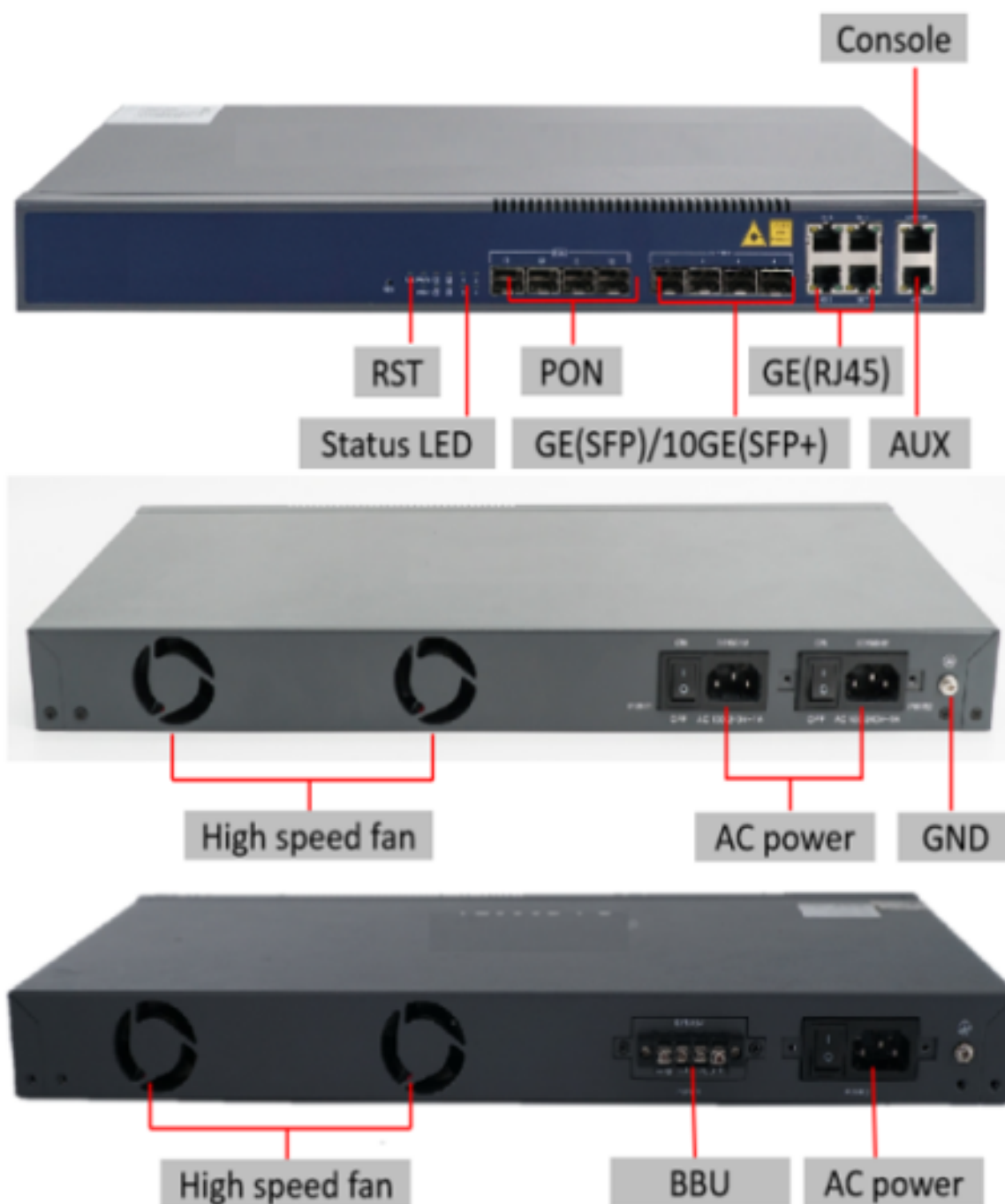
Product	User interface	Unlink interface
LAN-E1008	8 PON Port	8*GE+4*GE(SFP)+4*10GE(SFP+)

2. Functional characteristics

Item	LANLY EPON OLT Series
Satisfactory standard	➤ Meet IEEE802.3ah standards and China's CTC3.0 standards ➤ Meet China's relevant EPON standards
Easy to Manage	➤ Friendly EMS/Web/Telnet/CLI/SSH management ➤ CLI command style similar to mainstream manufacturers ➤ Support APP management
Fully open platform	➤ Open to any brand of ONU
High performance cost	➤ 1U height compact design ➤ Adopt mainstream chip scheme

Product Appearance

LAN-E1008 Appearance



Item		LAN-E1008
Chassis	Rack	
GE/10GE	QTY	16
Uplink Port	Copper GE	8
	SFP(GE)	4
	SFP+(10GE)	4
EPON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification (PX20+ module)	Transmission Distance	20KM
	EPON port speed	Symmetrical 1.25Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	TX Power	+2~+7dBm
	Rx Sensitivity	-27dBm
	Saturation Optical Power	-6dBm
Dimension(L*W*H)(mm*mm*mm)		442*320*43
Weight(kg)		4.5
Power Supply	220VAC	AC:100~240V, 47/63Hz
DC Power Supply(DC:-48V)		✓
Double Power Module Hot Backup		✓
*BBU(Battery Backup Unit)		×
Max Power Consumption(W)		55
Operating Environment	Working Temperature	-10~+55℃
	Storage Temperature	-40~+85℃
	Relative Humidity	5~90%(non-conditioning)

LED information

LED	ON	Blink	OFF
PWR	The device is powered up	—	The device is powered down
SYS	Device is starting	Device is running normal	Device is running abnormal
PON1~ PON8	ONT is registered to the PON system	—	ONT is not registered to the PON system or ONU do not connect to OLT
SFP/SFP+	The device is connected to the port	The device is ongoing data transmission	The device is not connected to the port
Ethernet (green-ACT)	—	Port is sending or/and receiving data	—
Ethernet (yellow-Link)	The device is connected to the port	—	The device is not connected to the port

Software Feature

Item	LANLY EPON OLT Series
Management Mode	➤ SNMP, Telnet, CLI, WEB, SSH v1/v2;
Management	➤ Fan Group Control; ➤ Port Status monitoring and configuration management; ➤ Online ONU configuration and management; ➤ User management, Alarm management;
Layer 2	➤ 16K Mac address; ➤ Support port VLAN and protocol VLAN; ➤ Support 4096 VLANs; ➤ Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ; ➤ Support IEEE802.3d trunk; ➤ Support RSTP; ➤ QoS based on port, VID, TOS and MAC address; ➤ IEEE802.x flow control; ➤ Port stability statistic and monitoring; ➤ Support P2P Function;
Multicast	➤ IGMP snooping; ➤ 256 IP Multicast Groups
Route Protocol	➤ Support static route, dynamic route RIP v1/v2 and OSPF
EPON Function	➤ Support port-based rate limitation and bandwidth control; ➤ In compliant with IEEE802.3ah standard; ➤ Up to 20KM transmission Distance; ➤ Support data encryption, multi-cast, port VLAN, separation, RSTP, etc; ➤ 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;
- Support ACL and SNMP to configure data packet filter flexibly;
- Specialized design for system breakdown prevention to maintain stable system;
- Support dynamic distance calculation on EMS online;

License Management	ONT limit	Limit the number of ONU registration, 64-1024. When the number of ONU reach the max number permit, add new ONU to system will be refused.
	Time limit	Limit system used time, 31days. Equipment trial license, after 31days of running time, all ONUs be set offline.
PON Mac Table		A mac table of PON, including mac address, VLAN id, PON id and ONU id for easier services checking, troubleshooting.
ONU Management	Profile	Including ONU DBA, Service, VoIP, Alarm Profiles.
	Auto learn	ONU automatically discovery, register, online.
	Auto configure	All features can be automatically configured by profiles when ONU auto online—plug and play.
	Auto upgrade	The ONU firmware can be auto upgraded. Download ONU firmware to OLT from web/tftp.
	Remote config	The powerful private OAM protocol provides remote HGU configuration including WAN, WiFi, POTS, etc.

1.1.Key Features

Support C/S & B/S architecture
 Support auto topology or modify manually.
 Add Trap Server to detect ONU automatically
 EMS can add and configure ONU automatically
 Add ONU position information
 Support EMS APP

