

OPTICAL LINE TERMINAL (OLT)



OPTRONIX – E8608 EPON OLT

It owns 8 GEPON ports (E8604T has four GEPON ports) and 8 Gigabit COMBO Ethernet port, the height is only 1U for easy installation and space saving. Each PON supports up to 64 terminals, the whole device supports up to 512 ONUs under full configuration. E8608T adopts advanced technology to support SLA and DBA to keep strong function on the Ethernet and QoS features. E8608T is applied for commercial and grid network digital management to provide perfect, smart, strong, advanced, professional solutions for “automatic distribution” and “electricity information collection” in the implemented project for the national grid.

Front panel array of E8608T EPON OLT as below, front panel includes 8*10/100/1000BASE-TX Combo port and 8*PON port, several LED indicators, one console and one AUX:

TECHNICAL FEATURES:

Item	E8604T-08T
Processor	MIPS32
BOOT ROM	512K
DDR	128M
FLASH	8M
Size (L*W*H)	1RU, 442mm×315mm×44mm
Weight	<5kg
Power Input	AC: 176V~265V AC 47/63Hz DC: -36V~-72V DC
Maximum power	<52W
Interface	4/8*PON,8*Combo(10BASE-T,100BASE-TX,1000BASE-T;100BASE-FX and1000BASE-X),1*console,1*debug port
Switching mode	Store-and-forward (storage transmission)
Switching capacity	16G
Support standard	IEEE 802.3ah EPON IEEE802.3(10Base-T) IEEE802.3u(100Base-TX) IEEE802.3z (1000BASE-X) IEEE802.3ab (1000Base-T) IEEE802.1Q(VLAN) IEEE802.1d(STP)

	<p>IEEE802.1W(RSTP) IEEE802.1S(MSTP) IEEE802.1p(COS) IEEE802.1x(Port Control) IEEE802.3x (flow-control) IEEE802.3ad(LACP) Each OLT interface supports at most 64 ONU; Transmission distance of each OLT is at most 20Km</p>
Layer 2 function	<p>VLAN,QinQ,link convergency, broadcast storm control Support at most 4096 VLAN; 16K MAC address; Bandwidth control</p>
Aggregation group	127 groups, each group has over 8 members
ACL/QoS	<p>Support ingress, egress ACL Backpressure flow control (half duplex) IEEE 802.3x flow control (duplex) IEEE p802.1p, CoS WRR,SP and FIFO queue scheduling algorithm 802.1P/DSCP priority Mark/Remark Uplink and downlink speed limitation based on each ONU Support traffic classification of DBA and SLA Support remark priority , packet redirection based on traffic</p>
Security	<p>Limit quantity of maximum user at each port Port violation Packet storm control ACL access control based on data stream Encryption of PON port transmitting data Support 802.1X authentication</p>
Multicast	<p>IGMP v1/v2/v3 IGMP Snooping Multicast VLAN; controlled multicast</p>
Port mirror	Support
Configuration and management	<p>SNMP Green Net NMS; CLI, \ SNMP, TELNET, cluster etc. RMON v1, 1,2,3,9 groups SSHv1/v2 Software and bootrom upgrade by TFTP and FTP Local server syslog to record system log Chinese/English command prompt Ping and trace route Debug</p>
Lightning	Service port has lightning protection
Maintenance	Telnet remote maintenance
Temperature	0°C~50°C
Humidity	5%~95%