Description:

The XE08 series is a high integrated, medium capacity box ERON OLT switching equipment developed for the operator access and enterprise park network. The product follows IEEE802.3ah technical standard and meets the requirements of EPON OLT equipment in "YD/T 1475-2006 access network technical requirements". It has good openness, large capacity, high reliability and complete software functions. It is widely used in the construction of network coverage, special network construction, enterprise network park access and other access network construction。

Advantage:

- EPON:OLT follows the technical standard of IEEE802.3ah and China telecom. （YD/T 1475-2006）
- Capacity: Each PON supports up to 64 terminals, the whole device supports up to 512 ONUs under full configuration.
- Uplink: support electrical and optical modules, can be flexibly configured according to different networking.
- Dimension: 1U cassette save space, low power consumption and save cost.
- Optical Line Protection: support automatically switch when the line is debug.
- High reliability: supports dual power supply(Default single power supply).

Feature:

- Aggregation layer switch. Layer wire-speed forwarding, support for rich layer protocol.
- 16K MAC address table.
- 8uplink ports, port aggregation through the largest available 4G+10G*4 uplink bandwidth.
- Complete network management functions
- Support flexible DBA, up and down traffic speed.
- Support IP ToS, IEEE802.1Q
- Port-based traffic control, traffic shaping.
- Support ONU automatic identification, auto-discovery, and auto-registration.
- Single link to support the automatic loop-back test function.
- VLAN powerful features, including VLAN Stacking, Trunk, Translation.
- Flexible and controllable multicast support, support IGMP snooping.

- Support ACL /QoS

configuration parameter：

Model	XE08	
DDR	512M	
FLASH	16M	
Size (L*W*H)	Product size:442mm×260mm×44mm Package size:520mm×372mm×87mm	
Weight	<5kg	
Uplink	QTY	8
	Copper	4*10/100/1000Mauto-negotiable,RJ45
	SFP	4 1G/10G SFP
PON	QTY	8
	PhysicalInterface	8 SFP slots
	Connector Type	1000BASE-PX20+/PX20++/PX20+++
	Max splitting ratio	1:64
Management Ports	CONSOLE port/NMS PORT	
Power Input	AC: 100V～240V AC 47/63Hz	
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) IEEEE802.1d(STP) IEEEE802.1W(RSTP) IEEE802.1p(COS) IEEE802.1x(Port Control) IEEE802.3x（flow-control） Each OLT interface supports at most 64 ONU； Transmission distance of each OLT is at most 20Km	
PON function	Support auto register and confirm Blacklist and whitelist onu DBA configure P2P ONU authorization	

Layer 2/3 function	VLAN,QinQ,link convergency, broadcast strom control Support at most 4094 VLAN;performance statistic 16K MAC address;mac address management Port mirror / Static Trunk Support RSTP Storm control Support IGMP Snooping/proxy Support 512 router hosts Support 64 router subnets Limit quantity of maximum user at each port Port isolation Packe storm control ACL access control based on data stream QoS based on port, VID, TOS and MAC address; Encrytion of PON port transmitting data Support 802.1X authentication
Configuration and Management	SNMP/NMS WebGUI management CLI, SNMP, TELNET,cluster etc. SSHv1/v2 Software and bootrom upgrade by TFTP and FTP Local server syslog to record system log Chinese/English command prompt Ping and traceroute Debug/Log management User management; Alarm management.
Lightning	Service port has lightning protection
Maintenance	Telnet remote maintenance
Temperature	-10℃～60℃
Humidity	5%～95%