

# HSGQ-XE04S



## Product Description

HSGQ-XE04S 4-port EPON OLT is a highly integrated, medium-capacity box-type EPON OLT switching device developed for operator access and enterprise campus networking. This product complies with the IEEE802.3ah technical standard. The device provides 12 Gigabit electrical ports and 4 10 Gigabit SFP+ interfaces in the upstream, and 4 Gigabit EPON optical ports in the downstream. The maximum splitting ratio of each EPON optical port is 1:64, and the system can support a maximum of 256 ONUs, meeting the requirements related to EPON OLT equipment in "YD/T 1475-2006 Access Network Technical Requirements 3.0", with good openness and large capacity. , with high reliability and complete software functions, it is widely used in the construction of access networks such as front-end network coverage, private network construction, video surveillance, enterprise network campus, Internet of Things, and resident network optical fiber of various operators.

## Product Specifications

Interface	4×EPON Ports	
	12×10/100/1000M RJ45	
	4×10G SFP+	
PON	Physical Interface: 4PON SFP Slots	
	Type: 1000BASE-PX20+/PX20++/PX20+++	
	Max splitting ratio: 1:64	
Flash	32MB	
DDR	1GB	
Size	442mm × 260mm × 44mm	
Weight	<5kg	
Standard	Operating temperature: -10°C~60°C	
	Storage temperature: -40°C~80°C	
	Storage humidity: 5%~95% (non-condensing)	
Power Supply	AC: 100V-240V 50/60Hz,	
Management Ports	Console port/ETH port	
PON Function	Support auto register	
	Blacklist and whitelist onu	
	DBA configure	
	P2P	
	ONU authorization	
Configuration And Management	CLI,WEB,SNMP/NMS	
	SSHv1/v2	
	Software and bootrom Upgrade by TFTP and FTP	
	Chinese/English command prompt	
	Support Ping and User management	
Power Consumption	IEEE802.3ah EPON	IEEE802.1Q(VLAN)
	IEEE802.3(10Base-T)	IEEE802.1d(STP)
	IEEE802.3u(100Base-TX)	IEEE802.1W(RSTP)
	IEEE802.3z (1000BASE-X)	IEEE802.1p(COS)
	IEEE802.3ab (1000Base-T)	IEEE802.1x(Port Control)
	IEEE802.3x(flow-control)	

## Product Specifications

Layer 2/3 Function	VLAN, QinQ, link aggregation, broadcast storm control
	Support 4094 VLAN; performance statistic
	16K MAC address; mac address management
	Port mirror
	Support RSTP and MSTP
	Support IGMP Snooping/proxy
	Support 512 router hosts
	Support 64 router subnetsUser management
	Port isolation
	ACL access control based on data stream
	Qos based on port, VD, TOS and MAC address;
	Encryption of PON port transmitting data
	Support 802.1X authentication

## Key Features

- Support Full Wier-Speed Forwarding
- 16K MAC address table
- Complete network management functions
- Support flexible DBA, up and down traffic speedcontrol.
- Support IP ToS, IEEE802.1Q
- Support port aggregation
- Support port-based traffic control, traffic shaping
- Support ONU auto-discovery, and auto-registration
- Support the automatic loop-back test function
- Flexible and controllable multicast support, support IGMP snooping
- VLAN powerful features, including VLAN Stacking, Trunk, Translation.
- Support IGMP Function
- Support ACL / QoS

## Product Advantages

- EPON: OLT follows the technical standard of IEEE802.3ah and China telecom(YD/T 1475-2006)
- Optical link diagnosis: complete warning mechanism
- High reliability: supports dual power supply(Default single power supply)
- Dimension: 1U cassette save space, low power consumption
- Uplink: support electrical and optical modules, can be flexibly configured according to different networking
- Capacity: Each PON supports up to 64 terminals, the whole device supports up to 256 ONUs under full configuration

## Ordering Information

Product Model	Description
HSGQ-XE04S	4 EPON Ports
	12×10/100/1000M Ethernet interface(RJ45)
	4×10G SFP+

For more information, please visit: <http://www.hsgq.com>

