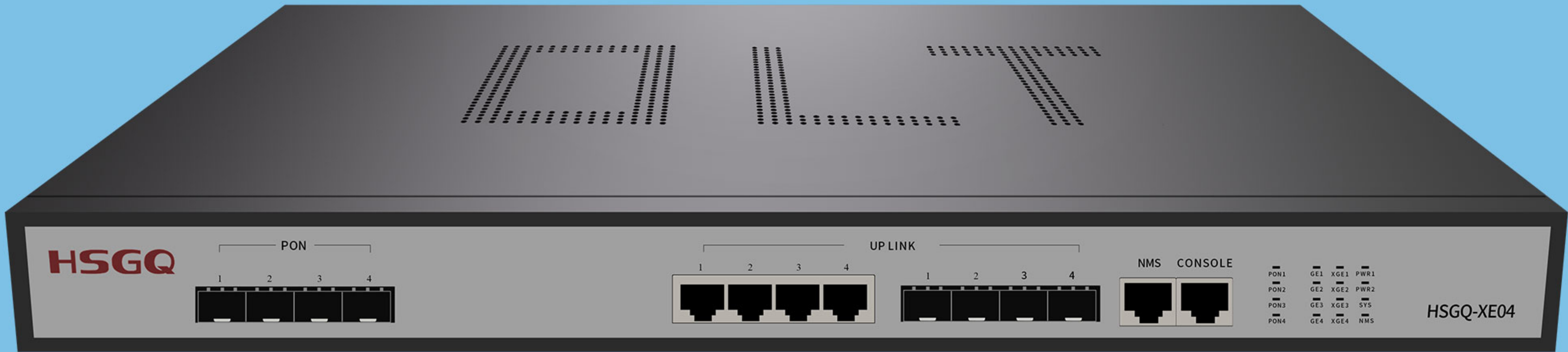


# HSGQ- XE04



## Technical Parameter

Model	HSGQ-XE04	
DDR	512M	
FLASH	32M	
Size (L*W*H)	Product size:442mm×260mm×44mm Package size:520mm×372mm×87mm	
Weight	<5kg	
Uplink	QTY	8
	Copper	4*10/100/1000M auto-negotiable,RJ45
	SFP	4 1G/10G SFP
PON	QTY	4
	Physical Interface	4 PON SFP slots
	Type	1000BASE-PX20+/PX20++/PX20+++
	Max splitting ratio	1:64
Management Ports	CONSOLE port/NMS port	
Power Input	AC: 100V~240V 47/63Hz	
PON function	Support auto register Blacklist and whitelist onu DBA configure P2P ONU authorization	
Working Temperature	-10℃~60℃	
Humidity	5%~95%	
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) IEEE802.1W(RSTP) IEEE802.1p(COS) IEEE802.3x (flow-control)	
Configuration and Management	CLI,WEB,SNMP/NMS Software and bootrom Upgrade by TFTP and FTP Chinese/English command prompt Ping Debug diagnosis User management; Log management Alarm management.	

## Technical Parameter

### Layer 2/3 function

VLAN,QinQ,translation  
Support at most 4094 VLAN;performance statistic  
16K MAC address;mac address management  
Port mirror  
Support RSTP  
Storm control  
Support IGMP Snooping/proxy  
Support 4K router hosts  
Support 64 router subnets  
Port isolation  
ACL access control based on data stream  
QoS based on port, VID, TOS and MAC address;  
Encrytion of PON port transmitting data

## Advantage:

- 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.

## Feature:

- Support full wire-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
- Port-based traffic control, traffic shaping.
- Support ONU automatic identification, auto-discovery, and auto-registration.
- 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