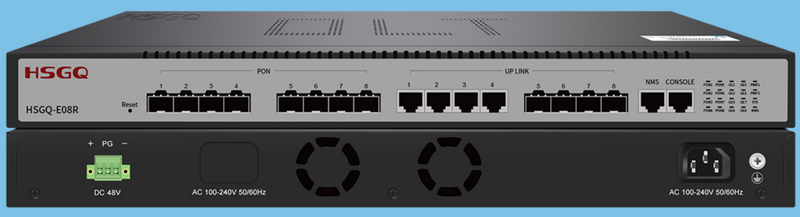
# HSGQ-E08R




## Product Specifications

| | |
|---|---|
| Interface | 8×EPON |
| | 4×10/100/1000M RJ45 |
| | 4×1G SFP |
| DDR | 256MB |
| Flash | 16MB |
| Size | 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 SFP |
| PON | QTY: 8 |
| | Physical Interface: 8 PON SFP Slots |
| | Type: 1000BASE-PX20+/PX20++/PX20+++ |
| | Max splitting ratio: 1:64 |
| Management Ports | Console port/ETH port |
| Power Input | AC:100V～240V 47/63Hz |
| PON Function | Support auto register |
| | Blacklist and whitelist onu |
| | DBA configure |
| | P2P |
| | ONU authorization |
| Environment | Operating temperature: -10°C~60°C |
| | Storage humidity: 5%~95% (non-condensing) |
| 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 |
| Configuration And Management | SNMP/NMS |
| | Web GUI management |
| | CLI, SNMP, TELNET, CLOUD, Cluster etc. |
| | SSHv1/v2 |
| | Software and bootrom upgrade by TFTP and FTP |
| | Local server syslog to record sysem log |
| | Chinese/English command prompt |
| | Ping and traceroute |
| | Debug / Log management |
| | User management |
| | Alarm management |

## Product Specifications

| | |
|---|---|
| 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 |

## Key Features

- 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
- Support port-based traffic control, traffic shaping
- Support ONU, auto-discovery, and auto-registration
- Support the automatic loop-back test function
- VLAN powerful features, includingVLAN 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)
- Compatible with mainstream ONU
- 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 512 ONUs under full configuration

## Ordering Information

| Product Model | Description |
|---|---|
| HSGQ-E08R | 8×EPON Ports |
| | 4×10/100/1000M Ethernet interface(RJ45) |
| | 4×1G SFP |

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

Tel:0755-8175 5526 Fax:0755-8958 2791 Email: hsgq@hsgq.com

Office address:311-315, 3rd Floor, Building 8, Yungu Phase 2, Pingshan 1st Road, Taoyuan Street, Nanshan District, Shenzhen, Guangdong

Website:www.hsgq.com

Factory Address:5/F, Bldg C, Zone B, Hongfa Technology Industrial Park, Tangtou Community, Shiyan St., Bao'an District, Shenzhen City, Guangdong Province, PRC China.

Copyright © 2007-2022 Shenzhen HS Fiber Communication Equipment CO., LTD All Rights Reserved

Version: V1.0, updated on August 16, 2023.

Attention: Due to product version upgrades or other reasons, the content of this document may be updated from time to time. Unless otherwise agreed, Ben

All statements, information and recommendations in this document do not constitute any warranty of any kind, express or implied.