

# HSGQ GPON OLT

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## Variants

G01 G16L G08L G02 G04R G08R

## Details

# HSGQ-G08L GPON OLT

## Technical Specifications

| Category          | Specification  |
|-------------------|--|
| Model             | HSGQ-G08L  |
| Interface         | 8x GPON<br>4x GE RJ45<br>2x 1G SFP<br>2x 10G SFP+  |
| PON Specification | Physical Interface: SFP Slot<br>Type: Class C++ / C+++ / C++++<br>Split Ratio: 1:128 per PON port                                |
| Memory            | Flash: 32MB<br>DDR: 1GB  |
| Dimensions        | 442 x 260 x 44 mm  |
| Weight            | < 5 kg   |
| Standard Protocol | IEEE 802.3 (10Base-T)<br>IEEE 802.3u (100Base-TX)<br>IEEE 802.3z (1000BASE-X)<br>IEEE 802.3ab (1000Base-T)<br>IEEE 802.1Q (VLAN) |

|                            |  |
|----------------------------|--|
| Management Port            | Console Port / ETH Port  |
| Environment                | Operating: -10°C ~ +55°C<br>Storage: -40°C ~ +80°C<br>Humidity: 5% ~ 95% (Non-condensing)  |
| Power Supply               | AC 100V – 240V, 50/60Hz  |
| Power Dissipation          | < 60W  |
| PON Function               | Auto registration<br>ONU whitelist / blacklist<br>DBA configuration<br>P2P support<br>ONU authorization  |
| Platform Management        | Device list<br>Project management<br>Version release<br>License management<br>Permission management<br>User management                                       |
| Configuration & Management | CLI, WEB, SNMP/NMS, CLOUD<br>Software and firmware upgrades<br>Chinese / English command prompt<br>Ping and debug diagnosis<br>User / Log / Alarm management |
| L3 Functions               | Static Routing<br>DHCP Server / DHCP Snooping / DHCP Relay<br>OSPF   |

|              |   |
|--------------|---|
| L2 Functions | VLAN / VLAN conversion / QinQ<br>Up to 4094 VLANs<br>Port Mirror<br>RSTP / MSTP (recovery time < 1s)<br>Link Aggregation (recovery time < 10ms)<br>Storm Control<br>IGMP Snooping / Proxy<br>Port Isolation<br>ACL access control based on data stream<br>QoS based on Port / VID / TOS / MAC<br>Encryption of PON port transmitting data |
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