

HSGQ-X100GD

Variants

APC 1RJ UPC 1RJ

Details

Technical Parameter

Module | Parameter

User Interface

- 1×10/100/1000M RJ45
- EPON & GPON mode adaptive
- Interface Type: SC-UPC/SC-APC
- Network coverage radius: 20KM

PON

- GPON: upstream 1.25Gbps / downstream 2.5Gbps

- Optical receive power: -7 ~ -28dBm
- Continuous light power: 0.5dBm~+5dBm
- EPON: upstream 1.25Gbps / downstream 1.25Gbps
- Optical receive power: -7 ~ -27dBm
- Continuous light power: 0dBm~+4dBm

Ethernet

- 1×10/100/1000M auto-negotiation
- Full/half duplex mode
- RJ45 connector
- Auto MDI/MDI-X
- 100m distance

Size

- 79mm(L) × 79mm(W) × 22mm(H)

Environmental

- Operating temperature: 0°C~60°C
- Operating humidity: 10%~85% (non-condensing)
- Storage temperature: -40°C~80°C
- Storage humidity: 5%~95% (non-condensing)

Power Supply

- 12V/0.5A DC
- Power interface size: 2.1mm/5.5mm

Power Consumption

- 3W

Management

- Web/TELNET/TR069/OAM/OMCI

Key Feature

- Support port-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah & ITU-T G.984 adaptive interface
- Up to 20KM transmission distance
- Support data encryption, group broadcasting, port VLAN separation, etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support port mode of VLAN configuration
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function

- Support port loop detection
- Support ACL to configure data packet filter flexibly
- Support PPPoE/DHCP Server/IPTV/NAT
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- Support mac/port/url filter
- Support IPv4/IPv6

Product Interfaces and Indicators Definitions

Indicator | Description

POWER – Power Status

- On: The ONU is power on

- Off: The ONU is power off

PON – ONU Register

- On: Success to register to OLT
- Blinking: In process of registering to OLT
- Off: Fail to register to OLT

LOS – Optical Signals

- On: Optical power is abnormal
- Off: Optical in normal

LAN – LAN Port Status

- On: Ethernet connection is normal
- Blinking: Data is being transmitted
- Off: Ethernet connection is not set up

Ordering Information

Product Model | Description

HSGQ-X100DG

- 1×10/100/1000M Ethernet interface (RJ45)
- 1 EPON/GPON adaptive interface