

HSGQ-X110W



Technical Parameter

Module	Parameter
User Interface	1×10/100/1000M RJ45
	1×10/100M RJ45
	2.4G WiFi
PON	EPON&GPON mode adaptive Interface Type: SC-APC/SC-UPC Network coverage radius: 20KM
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical receive power: -7dBm~-28dBm Continuous light power: 0.5dBm~+5dBm
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical receive power: -7dBm~-27dBm Continuous light power: 0dBm~4dBm
Ethernet	Full/half duplex mode
	RJ45 connector
	Auto MDI/MDI-X
	100m distance
Size	130mm(L) × 85mm(W) × 30mm(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/1A DC
	Power interface size: 2.1mm/5.5mm
Power	<8W
Management	WEB/TELNET/TR069/OMCI/OAM

WiFi Feature(2.4G)

- WiFi Specification IEEE802.11n compliant, 2.4 GHz
- Full IEEE802.11b/g legacy compatibility with enhanced performance
- Two-stream spatial multiplexing up to 300Mbps PHY data rates
- Support multi-SSID (Maximum 4 SSID)
- Support automatic channel selection
- Support hide SSID
- Support wireless security of 64/128 bit WEP, 802.1x, WPA and WPA2

Key Feature

- Support device-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah & ITU-T G984 standard
- WiFi series meet 802.11 b/g/n technical standards
- Up to 20KM transmission distance
- Support data encryption, group broadcasting, etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support VLAN tag/untag configuration
- Support ACL to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- Support TR069 for ACS(Auto Config Server)
- Support PPPoE/DHCP Server/NAT
- 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
LAN	Optical Signals
	On: Optical power is abnormal Off: Optical in normal
2.4G	LAN Port Status
	On: Ethernet connection is normal Blinking: Data is being transmitted Off: Ethernet connection is not set up
	2.4G WiFi status
	Blinking: Data is being transmitted On: WiFi function Opens Off: WiFi function closes

Ordering Information

Product Model	Description
HSGQ-X110W	1×10/100/1000M Ethernet interface(RJ45)
	1×10/100/ Ethernet interface(RJ45)
	1 EPON/GPON adaptive interface
	2.4G WiFi

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

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