

# HSGQ-X400AX



## Product Description

HSGQ-X400AX is an intelligent routing passive optical network terminal in FTTH solution. HSGQ-X400AX provides 4 GE LAN port port and AX3000 WiFi, high access speed up 2.5Gbps downstream and 1.25Gbps upstream. It is widely compatible with the global mainstream OLT brand, supports plug-and-play, OMCI and TR069 remote maintenance features.

## Technical Parameter

Module	Parameter
User Interface	4*10/100/1000M RJ45
	AX3000 WiFi
PON	EPON&GPON mode adaptive Interface Type: SC-APC Security: ONU authentication mechanism Network coverage radius: 20KM
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical receive power: -7dBm~-28dBm Transmitting optical power: 0.5dBm~5dBm
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical receive power: -7dBm~-27dBm Transmitting optical power: 0dBm~4dBm
Antenna	4×5dBi dual-frequency antenna
Size	186mm(L) ×136mm(W) ×33.5mm(H)
Ethernet	Operating temperature: 0°C~50°C
	Operating humidity: 10%~85% (non-condensing)
	Storage temperature: -40°C~80°C
	Storage humidity: 5%~95% (non-condensing)
Power	12V/1.5A DC
	Power interface size: 2.1mm/5.5mm
Wireless Protocol	IEEE 802.11ax/ac/n/a 5 GHz
	IEEE 802.11ax/n/b/g 2.4 GHz
Wireless Operating Band	2.4~2.4835GHz,
	5.150GHz ~ 5.850GHz
Channel	2.4G: 1~13
	5.8G: 36,40,44,48,52,56,60,64,149,153,157,161,165
Speed	Up to 3000Mbps
Wireless Encryption Mode	WPA-PSK/WPA2-PSK, WPA3-SAE, WPA3-SAE/WPA2-PSK2

## Key Feature

- Support device - based rate limitation and bandwidth control
- In compliant with IEEE802.3ah & ITU-T G.984 standard
- 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 VLAN configuration
- Support power off alarm function ,easy for link problem detection
- Support QOS configuration
- Support port binding
- Support port forwarding
- Support ACL to configure data packet filter flexibly
- Specialized design for system break down prevention to maintain stable system
- Support software online upgrading
- Support TR069 for ACS(Auto Config Server)
- Support PPPoE/DHCP Server/IPTV/POTS/NAT
- 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
- Support Easy Mesh
- Supoort IPv4/IPv6
- Support cloud management

## WiFi6 AX3000

- 574Mbps at 2.4GHz+2402Mbps at 5GHz
- Full IEEE802.11a/b/g/n/ac/ax legacy compatibility with enhanced performance
- 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

## Ordering Information

Product Model	Descriptions
HSGQ-X400AX	4×10/100/1000M RJ45
	AX3000 WiFi

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

