

HSGQ-X411AX



Product Description

X411AX is an intelligent routing passive optical network terminal in FTTH solution. X411AX provides 4 GE LAN port, 1 POTS, 1 USB port and AX3000 WiFi, high access speed up to 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×GE RJ45
	1×POTS
	1×USB
	2.4GHz: 574Mbps, 5.8GHz: 2402Mbps
PON	EPON&GPON mode adaptive Interface Type: SC-UPC/SC-APC Transmission distance: 20KM
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical receive power: -7dBm~ -28dBm Transmitting optical power: 0dBm~4dBm
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical receive power: -7dBm~ -27dBm Transmitting optical power: 0dBm~4dBm
Ethernet	4×10/100/1000M auto-negotiation
	Full/half duplex mode
	RJ45 connector
	Auto MDI/MDI-X
	100m distance
Size	186mm(L) × 136mm(W) × 33.5mm(H)
Environmental	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 Supply	12V/1.5A DC
	Power interface size: 2.1mm/5.5mm
Power Consumption	<18W

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

Voice Service Function

- With the heartbeat function, support the main producing soft exchange platform
- Support high / low speed mode transparent transmission, T38 one fax
- Support high-speed Modem (56Kbps) dial access; support RFC2833 and redundant RFC2833, ringing, MD5 certification, call forwarding, call waiting, the hotline, alarm clock, abbreviated dialing and other value-added services
- Support SIP (compatible with IMS), MGCP three VoIP protocol, and the soft switch platform the mainstream can be good intercommunication
- Support 1 POTS interface and the three party call, three party support local mixing
- Support POTS port GR909 line test function
- Support dynamic PPPoE, DHCP and static IP.
- Support ITU-T G.711, G.723.1, G.729 and other three kinds of compression algorithm; echo cancellation conforming to ITU-T G.168-2002, an echo canceller for the longest 128m
- 7×24 hour call loss is less than or equal to 0.01%

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
- Support IPv4/IPv6

Product Interfaces and Indicators Definitions

Indicator	Function	Definition
PWR	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 link is abnormal
		Off: Optical in normal
2.4G	2.4G WiFi Status	On: WIFI function opens
		Blinking: Data is being transmitted
		Off: WIFI functions closes
5G	5G WiFi Status	On: WIFI function opens
		Blinking: Data is being transmitted
		Off: WIFI functions closes
NET	Internet Status	On: ONU can access internet
		Off: ONU can not access internet
GE	GE Port status	On: Ethernet connection is normal
		Blinking: Data is being transmitted
VOIP	POTS Status	On: POTS port Registered
		Off: POTS port not Registered
USB	USB Status	On: USB connection is normal
		Off: USB connection is not set up

Ordering Information

Product Model	Descriptions
HSGQ-X411AX	4×10/100/1000M Ethernet interface(RJ45)
	1 EPON & GPON adaptive interface
	1×POTS
	1×USB
	2.4GHz: 574Mbps, 5.8GHz: 2402Mbps

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

