



HSGQ-X411AXF



Product Description

HSGQ-X411AXF is an intelligent routing passive optical network terminal in FTTH solution. HSGQ-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.

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 8 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
- Support cloud management

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 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
- 7 * 24 hour call loss is less than or equal to 0.01%
- Support SIP (compatible with IMS), MGCP three VoIP protocol, and the soft switch platform the mainstream can be good intercommunication
- 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
- 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

Technical Parameter

Module	Parameter
User Interface	4×10/100/1000M RJ45
	1×POTS
	1×USB
PON	AX3000 WiFi
	GPON&EPON mode adaptive
	GPON : upstream 1.25Gbps / downstream 2.5Gbps Transmitting optical power: 0~4dBm Optical receive sensitivity: -7dBm~-28dBm
Antenna	4×5dBi external antenna
	186mm(L) ×136mm(W) ×33.5mm(H)
	Operating temperature: 0°C~50°C
Environment	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
Speed	5.8G: 36,40,44,48,52,56,60,64,149,153,157,161,165
Wireless Encryption Mode	Up to 3000Mbps
	WPA-PSK/WPA2-PSK, WPA3-SAE, WPA3-SAE/WPA2-PSK2

Ordering Information

Product Model	Descriptions
HSGQ-X411AXF	4*10/100/1000M RJ45
	1*POTS
	1*USB3.0
	AX3000 WiFi

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

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