

HSGQ-808AX



Product Description

HSGQ-808AX is our latest XPON passive optical network communication terminal 8-port enterprise gateway, the product supports G/EPON adaptive, provides 8 GE network ports, 8 voice ports and AX3000 WiFi; The equipment adopts metal shell; The stability and wide compatibility of the product are suitable for government and enterprise projects such as smart office and smart city.

Technical Parameter

Module	Parameter
User Interface	8×10/100/1000M RJ45
	8×POTS
	1×USB
	AX3000 WiFi
PON	1×GPON/EPON Interface Interface type: PX20+
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Transmit optical power: 0~4dBm Optical power: -7 DBM ~-28 DBM
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Transmit optical power: 0~4dBm Optical power: -7 DBM ~-27 DBM
Antenna	2×5dBi dual-frequency antenna
Size	340mm(L)×210mm(W)×44mm(h)
Environment	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	100~240V AC
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
Wireless Power	2.4G:
	11b(CCK): 25dBm±2dBm@11Mbps;
	11g(OFDM): 26dBm±2dBm@6Mbps; 21dBm±2dBm@54Mbps;
	11n(HT40): 26dBm±2dBm@MCS0; 121dBm±2dBm@MCS7;
	11AX(HE40): 26dBm±2dBm@MCS0; 19dBm±2dBm@MCS11;
	5.G:
	11a(BW20):26dBm±2dBm@6Mbps; 21dBm±2dBm@54Mbps;
	11n(HT40):26dBm±2dBm@MCS0; 21dBm±2dBm@MCS7;
	11ac(VHT80):26dBm±2dBm@MCS0; 20dBm±2dBm@MCS9;
	11ac(VHT160):26dBm±2dBm@MCS0; 19dBm±2dBm@MCS9;
	11AX(HE80):26dBm±2dBm@MCS0; 19dBm±2dBm@MCS11;
	11AX(HE160):25dBm±2dBm@MCS0; 18dBm±2dBm@MCS11;

Ordering Information

Product Model	Description
HSGQ-808AX	8×10/100/1000M RJ45
	8×POTS
	AX3000 WiFi
	AC220V

Technical Parameter

Module	Parameter
Wireless Receiving Sensitivity	2.4G:
	11g: <-71dbm@ 54Mbps;
	11n (HT40): ≤ -62dBm@MCS11;
	11ac (VHT40): ≤ -62dBm@MCS11;
	11ax (HE40):≤ -62dBm@MCS11;
	5.8G:
	11a (BW20): ≤ -71dBm@54Mbps;
	11ac (VHT80): ≤ -61dBm@MCS9;
	11ac (VHT160): ≤ -59dBm@MCS9;
	11ax(HE80): ≤ -58dBm@MCS11;
	11AX(HE160): ≤ -55dBm@MCS11;

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

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

