FWG-HGU804GWC, HGU GPON ONT,4GE+2.4G/5G WIFI+CATV

1. Product Description

FWG-HGU804GWC GPON ONT is a Dual Band WIFI FTTH gateway for small and medium-sized businesses, SOHO office and home users, integrating GPON, **WIFI(2.4/5GHz)**, VOIP functions and CATV. This series of products complies with the G.988 international standard and has good interoperability and operability, enabling interoperability with mainstream manufacturers' OLT devices.

FWG-HGU804GWC GPON ONT is based on mature, stable and cost-effective Gigabit GPON technology, which integrates Gigabit Ethernet switching technolog,CATV function can be managed supporting remote control of CATV signal by OLT. It has high reliability, easy management and good quality of service (QoS) guarantee, supports 1.25Gbps uplink and 2.5Gbps downlink transmission rate, and provides users with flexible bandwidth allocation, Ethernet services and voice services. Integrated wireless function, in line with **802.11 b/g/n/ac** Wireless standard protocol, external high gain omni directional antenna,wireless transmission rate of 300Mbps for 2.4GHz and 867Mbps for 5GHz, strong penetration, wide coverage, providing users with a more efficient data transmission guarantee.

2. Product Feature

◆ Plug and play, integrated automatic detection, support remote configuration and remote firmware upgrade;

◆ Integrates OMCI and TR-069 remote configuration and maintenance, supports diagnosis monitoring and remote disabling of optical fiber;

◆ Support 802.11 b/g/n/ac 300Mbps for 2.4GHz and 867Mbps for 5GHz Wi-Fi (T / R) function;

◆ CATV function can be managed, supporting remote control of CATV signal by OLT;

◆ WAN supports network bridging, routing and hybrid bridging / routing modes; 2048 MAC address capacity;

◆ Support VLAN, transparent, tag, translation, trunk, etc.; support port monitoring, port mirroring, port rate limitation, port SLA, etc.; support IEEE802.1p QoS and four level priority queue; support IPv4 / IPv6 IGMP snooping and MLD snooping;

◆ Select the high-quality power adapter designed for 5-year continuous operation, is the FTTH single fiber to home network security optical access equipment.

◆ White cover + black bottom plastic shell, exquisite texture appearance, show brand strength.

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3. Main Parameter

Items	Unit	Specifications
GPON standard.		GPON ITU-T G.984.x,G.988
Optical interface		SC/APC connector,4GPON interface(GPON Class B+) Receiving sensitivity: ≤-28dBm,Transmitting optical power: 0～+4dBm,Transmission distance: 20KM
Speed	Gbps	GPON: uplink 1.25Gbps, downlink 2.5Gbps
Wavelength	nm	Tx1310, Rx 1490, CATV 1550
CATV optical power range	dBm	+2～-18
CATV RF Bandwidth	MHz	47～1000
CATV RF output lever	dBuV	82±2 （AGC:-12~-2dBm）
Interface	Data	4GE 10/100/1000Mbps Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connectors
	Wireless	2.4G:802.11 b/g/n 2.4GHz 300Mbps
	Wireless	5G:802.11 a/an/acGHz 867Mbps
Indicator	LED	PWR, PON, LOS, LAN1--LAN4, 2.4G , 5G,CATV
Operating condition	℃	Operating temp: -5 ~ +55
Storing condition	℃	Storing temp: -30 ~ +60
Humidity	%	10~90(non-condensing)
Power supply	V	DC 12V,1.5A adapter
Power consumption	W	≤6
Dimension	mm	196*135*31(L×W×H)
Net weight	Kg	0.28

4. Products Series

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