

HN8546X6 Datasheet

HN8546X6, highly customized routing-type ONU

Overview



HN8546X6 is an intelligent routing type XGPON/GPON Optical Network Unit with 2.4G/5.8G WIFI, designed as an ideal device for home gateway to be used in FTTH networks.

Brand	FibraGreen
Model	HN8546X6

Device Parameters

Dimensions (H x W x D) (without external antenna and pads)	33 mm x 160 mm x 106 mm (without external antenna and pads)	System power supply	11–14 V DC, 1.5A
Weight	About 372 g	Static power consumption	6.4 W
Operating temperature	-5°C to 45°C	Maximum power consumption	13 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON/XGPON
Power adapter input	100–240 V AC, 50/60 Hz American Standard European Standard	UNI	1POTS+ 4LAN + 2.4G/5G Wi-Fi+ USB
Indicators	Power/PON/LOS/WLAN/LAN/TE L/INTERNET	Optical Connector	SC/UPC
Installation mode	Desktop or wall mounting		

Interface Parameters

<p>GPON port</p> <ul style="list-style-type: none"> • Class N2a • Wavelengths: US 1310nm, DS 1490nm • Wavelength blocking filter (WBF) of G.984.5 • GPON: consistent with the SN or password authentication defined in G.984.3 • Bi-directional FEC • SR-DBA and NSR-DBA • Type B (single-homing&dual-homing) 	<p>POTS port</p> <ul style="list-style-type: none"> • Maximum REN: 4 • G.711A/μ, G.729a/b, and G.722 encoding/decoding • T.30/T.38/G.711 • DTMF • Emergency calls (with the SIP protocol) <p>USB port</p> <ul style="list-style-type: none"> • USB2.0 • FTP-based network storage • DLNA function
<p>Ethernet port</p> <ul style="list-style-type: none"> • Ethernet port-based VLAN tags and tag removal • 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission • QinQ VLAN • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s for GE port • Auto-adaptive 10 Mbit/s, 100 Mbit/s for FE port. 	<p>WLAN</p> <ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4G) • IEEE 802.11 a/n/ac (5G) • 2 × 2 MIMO (2.4G&5G) • Antenna gain: 5 dBi • Air interface rate: 574 Mbit/s (2.4G); 2402 Mbit/s(5G)
<p>Equipment Operating Frequency Band</p> <ul style="list-style-type: none"> • 2.4G Frequency: 2.400-2.4835; • 5G Frequency: Band1: 5.15-5.25Ghz Band2: 5.25-5.35Ghz Band3: 5.45-5.725Ghz Band4: 5.725-5.850Ghz 	<p>Frequency Band Transmission Power</p> <ul style="list-style-type: none"> • 2.4G 100mW • 5G Frequency: Band1: 200mW Band2: 200mW Band3: 200mW Band4: 200mW

Product Function

QoS	Smart O&M	Layer 3 features	Security
<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority 	<ul style="list-style-type: none"> • IPTV video quality diagnosis • eMDI • 	<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP • NAT • Port forwarding • Static/Default routes 	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses <p>Common O&M</p>

- SP/WRR/SP+WRR
- Broadcast packet rate

- Multiple services on oneWAN port

- OMCI/Web UI/TR069
- Variable-length OMCI messages

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