Overview

The Huawei EchoLife EG8245W5-6T is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.

It provides 4 GE ports, 2 POTS ports, 1 USB port and 1 2.4G&5G WiFi port. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

● Smart Service

● Smart Interconnection

● Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar EG8245W5-6T
Dimensions (H x W x D)	32 mm x 200 mm x 127 mm (without external antenna and pads)
Weight	About 400 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50/60 Hz
System Power Supply	11–14 V DC, 1.5 A
Static Power Consumption	6.3 W
Maximum Power Consumption	18 W
NNI	GPON
UNI	2POTS + 4GE + 2.4G/5G Wi-Fi + 1USB
Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS

Figure 1 shows the appearance of OptiXstar EG8245W5-6T.

Product Details

Interface Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27 dBm ● Overload optical power: -8 dBm ● Wavelengths: US 1310 nm, DS 1490 nm ● Wavelength blocking filter (WBF) of G.984.5 ● Flexible mapping between GEM Port and TCONT ● 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)
Ethernet Port	● Ethernet port-based VLAN tags and tag removal ● 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission ● QinQ VLAN ● Limit on the number of learned MAC addresses ● MAC address learning ● Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
POTS Port	● G.711A/μ, G.729a/b and G.722 encoding/decoding ● T.30/T.38/G.711 fax mode ● DTMF ● Emergency calls (with the SIP protocol)
USB Port	● USB2.0 ● FTP-based network storage ● File/Print sharing based on SAMBA ● DLNA function
WLAN	● IEEE 802.11 b/g/n (2.4G) ● IEEE 802.11 a/n/ac (5G)

	● 2 × 2 MIMO (2.4G)
	● 4 × 4 MIMO (5G)
	● Antenna gain: 5 dBi
	● WMM/Multiple SSIDs/WPS
	● 2.4G&5G concurrent
	● Air interface rate: 300 Mbit/s (2.4G), 1733 Mbit/s (5G)

Product Function

Smart Interconnection	● Smart Wi-Fi coverage ● SIP/H.248 auto-negotiation ● Any port any service ● Parental control
Smart Service	● Scheduled Wi-Fi shutdown ● Intelligent Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing ● Association of one account with two POTS ports
Smart O&M	● IPTV video quality diagnosis ● eMDI ● Rogue ONT detection and isolation from the OLT ● Call emulation, and circuit test and loop-line test ● PPPoE/DHCP simulation testing ● WLAN emulation
Power Saving	● Indicator power saving ● COC V7
Security	● SPI firewall ● Filtering based on MAC/IP/URL addresses
Multicast	● IGMP v2/v3 proxy/snooping ● MLD v1/v2 snooping
Layer 3 Features	● PPPoE/Static IP/DHCP ● NAT/NAPT ● Port forwarding ● ALG, UPnP ● DDNS/DNS server/DNS client ● IPv6/IPv4 dual stack, and DS-Lite ● Static/Default routes ● Multiple services on one WAN port
Common O&M	● OMCI/Web UI/TR069 ● Variable-length OMCI messages ● Dual-system software backup and rollback
QoS	● Ethernet port rate limitation ● 802.1p priority ● SP/WRR/SP+WRR

	● Broadcast packet rate limitation
Home Network Feature	● Visualized home network management
	● Band steering
	● Wi-Fi optimization & Wi-Fi roaming
	● Wi-Fi Operations & Maintenance (O&M)
	● TX Beamforming

Get More Information

Do you have any question about the OptiXstar EG8245W5-6T?

Contact us now via info@hi-network.com.

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