



Overview

The Huawei EchoLife EG8245W5-8T 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 2.4G&5G WiFi ports. 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 EG8245W5-8T
Dimensions (H x W x D)	192 mm x 255 mm x 80 mm (with the base) 185 mm x 255 mm x 38 mm (without the base)
Weight	< 1500 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, 2 A
Static Power Consumption	9.5 W
Maximum Power Consumption	24 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 EG8245W5-8T.



Product Details

Interface Parameters

<p>GPON Port</p>	<ul style="list-style-type: none"> • 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)
<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 • Limit on the number of learned MAC addresses • MAC address learning • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
<p>POTS Port</p>	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • USB2.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA function
WLAN	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4G) • IEEE 802.11 a/n/ac (5G) • 4 × 4 MIMO (2.4G) • 4 × 4 MIMO (5G) • Antenna gain: 2 dBi • WMM/Multiple SSIDs/WPS • 2.4G&5G concurrent • Air interface rate: 600 Mbit/s (2.4G), 1733 Mbit/s (5G)

Product Function

Smart Interconnection	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control • L2/L3 (IPv4) forwarding: 1G uplink, 2G downlink
Smart Service	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Indicator power saving • COC V7
Security	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping
Layer 3 Features	<ul style="list-style-type: none"> • 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





	<ul style="list-style-type: none"> • Multiple services on one WAN port
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Home Network Feature	<ul style="list-style-type: none"> • 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 EG8245W5-8T?

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

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