

EchoLife EG8245W5 Datasheet 02

EchoLife EG8245W5, an intelligent routing-type ONT

Overview

The EchoLife EG8245W5 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+2 POTS+1 USB+2 WiFi(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



Device Parameters

Dimensions (H x W x D) (without external antenna)	32 mm x 200 mm x 127 mm	Static power consumption	6 W
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and pads)			
Weight	About 360 g	Maximum power consumption	18 W
Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	2POTS + 4GE + 2.4G/5G Wi-Fi + 1USB
Power adapter input	100–240 V AC, 50/60 Hz	Optical Connector	SC/APC
System power supply	11–14 V DC, 1.5 A	Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS

Interface Parameters

GPON port	WLAN
• Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • 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)	• 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)
Ethernet port	POTS 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	• 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	

Product Function

Layer 3 features	Smart O&M	Smart interconnection	QoS
• PPPoE/Static IP/DHCP	• IPTV video quality diagnosis	• Smart Wi-Fi coverage • SIP/H.248 auto-	• Ethernet port rate limitation

- 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	- eMDI - Rogue ONT detection and isolation from the OLT - Call emulation, and circuit test and loop-line test - PPPoE/DHCP simulation testing - WLAN emulation	negotiation - Any port any service - Parental control - L2/L3 (IPv4) forwarding: 1G uplink, 2G downlink	802.1p priority - SP/WRR/SP+WRR - Broadcast packet rate limitation
Smart service	Security	Power saving	Common O&M
			- OMCI/Web UI/TR069 - Variable-length OMCI messages - Dual-system software backup and rollback
			Home network feature
- Scheduled Wi-Fi shutdown - Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing - Association of one account with two POTS ports	- SPI firewall - Filtering based on MAC/IP/URL addresses	- Indicator power saving - COC V6	- Visualized home network management - User-defined bandwidth allocation - Band steering - MU MIMO - Wi-Fi optimization & Wi-Fi roaming - Wi-Fi O&M - Beamforming
	Multicast	Smart Wi-Fi coverage	
	- IGMP v2/v3 proxy/snooping - MLD v1/v2 snooping	Configuration-free and PnP for Wi-Fi auxiliary devices (AP)	

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