



Overview

The Huawei EG8145V5-V2 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. The high forwarding performance ensures the user experience of voice and data 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	EchoLife EG8145V5-V2
Dimensions (W x D x H)	30 mm x 155 mm x 105 mm (without external antenna and pads)
Weight	About 220 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	5 W
Maximum Power Consumption	12 W
NNI	GPON
UNI	1POTS+4GE+2.4GHz/5GHz Wi-Fi+1USB
Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN1/LAN2/LAN3/LAN4/TEL/USB/WLAN/WPS



Figure 1 shows the appearance of EchoLife EG8145V5-V2.



Product Details

Port Parameters

<p>GPON Port</p>	<ul style="list-style-type: none"> • 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)
<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"> • Maximum REN: 4 • 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)
<p>USB Port</p>	<ul style="list-style-type: none"> • USB2.0 • FTP-based network storage • File/Print sharing based on SAMBA



	<ul style="list-style-type: none"> • DLNA function
WLAN	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4GHz) • IEEE 802.11 a/n/ac (5GHz) • 2 × 2 MIMO (2.4GHz&5GHz) • Antenna gain: 5 dBi • WMM/Multiple SSIDs/WPS • 2.4GHz&5GHz concurrent • Air interface rate: 300 Mbit/s (2.4GHz), 867 Mbit/s (5GHz)

Function List

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
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping
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
Security	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
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, DS-Lite and IPv6 SPI • Static/Default routes • 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
Smart Service	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation





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Power Saving	<ul style="list-style-type: none"> • Indicator power saving • COC V6
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Get More Information

Do you have any question about the EchoLife EG8145V5-V2?

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

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