

EchoLife EG8145V5 Datasheet

EchoLife EG8145V5, an intelligent routing-type ONT

Overview



Device Parameters

Dimensions (H x W x D) (without external antenna and pads)	30 mm x 173 mm x 120 mm (without external antenna and pads)	System power supply	11–14 V DC, 1.5A
Weight	About 250 g	Static power consumption	5.3 W
Operating temperature	0°C to 40°C	Maximum power consumption	18 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON
Power adapter input	100–240 V AC, 50/60 Hz	UNI	1POTS + 4GE + 2.4G/5G Wi-Fi+ 1USB
Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS	Optical Connector	SC/APC
Installation mode	Desktop or wall mounting		

Interface Parameters

GPON port • Class B+ • Receiver sensitivity: -27dBm • Overload optical power: -8 dBm • Wavelengths: US 1310nm, DS 1490nm • 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)	POTS port • 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)
	USB port • USB2.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA function
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	WLAN • 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 • WMM/Multiple SSIDs/WPS • 2.4G&5G concurrent • Air interface rate:300 Mbit/s (2.4G); 867 Mbit/s(5G) • Wi-Fi bandwidth: 20MHz/40MHz(2.4GHz); 20MHz/40MHz/80MHz(5GHz) • Wi-Fi power (EIRP): 2.4GHz: 28 dBm; 5GHz: 29 dBm

Product Function

Smart interconnection • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control	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	Layer 3 features • 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	Security • SPI firewall • Filtering based on MAC/IP/URL addresses
			Common O&M • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback
Multicast • IGMP v2/v3 proxy/snooping • MLD v1/v2	Smart service • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing:	QoS • Ethernet port rate limitation	MTU & Jumbo Frame • MTU: maximum support 2000 • Jumbo frame: maximum

snooping	Portal/802.1x authentication SoftGRE-based sharing	802.1p priority - SP/WRR/SP+WRR - Broadcast packet rate limitation	support 9600 NOTE The configurations of the MTU and jumbo frames vary according to the market. The actual configurations prevail.
Power saving			
- Indicator power saving - COC V5			

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