

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/US B/WLAN/WPS	Optical Connector	SC/UPC

Interface Parameters

GPON port - Class B+ - Receiver sensitivity: -27dBm ~ -29dBm - 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 - Interoperable with 3rd party device.	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)

Product Function

Smart interconnection - Smart Wi-Fi coverage - SIP/H.248 auto-negotiation - Any port any service - Parental control - L2/L3 (IPv4) forwarding: 1G uplink, 2G downlink	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 - Support WEP, 128-bit WEP, WPA2-PSK, WPA-PSK, WPA.
			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 snooping	Smart service - Scheduled Wi-Fi shutdown - Smart Wi-Fi sharing: Portal/802.1x authentication	Power saving - Indicator power saving - COC V5	QoS - Ethernet port rate limitation 802.1p priority - SP/WRR/SP+WRR - Broadcast packet rate

	SoftGRE-based sharing		limitation
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