EchoLife EG8141A5-10 Datasheet 01

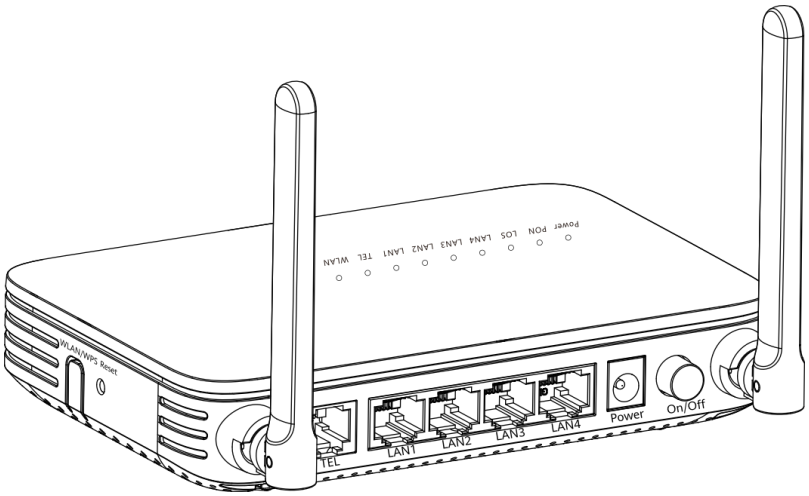
EchoLife EG8141A5-10, an intelligent routing-type ONT

Overview

The EchoLife EG8141A5-10 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON/EPON technology to implement ultra-broadband access for users.

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 and pads)	32 mm × 145 mm × 97 mm	**System power supply**	12 V DC, 1 A
Weight	About 155 g	**Static power consumption**	3.5 W
Operating temperature	0°C to 40°C	**Maximum power consumption**	12 W
Operating humidity	5% RH to 95% RH (non-	**NNI**	GPON/EPON

	condensing)		
Power adapter input	100–240 V AC, 50/60 Hz	**UNI**	1POTS+1GE+3FE +2.4GHz Wi-Fi
Indicators	Power/PON/LOS/LAN/TEL/ WLAN/WPS	**Optical Connector**	SC/APC

Interface Parameters

GPON/EPON port	**WLAN**
• GPON:Class B+ / EPON: PX20+ • Receiver sensitivity: -27dBm • Overload optical power: GPON: -8 dBm/EPON: -3 dBm • Wavelengths: US 1310nm, DS 1490nm • Wavelength blocking filter (WBF) of G.984.5 • Flexible mapping between GEM Port and TCONT • Authentication mode: SN/Password/LOID (GPON) MAC/Key/LOID (EPON) • Bi-directional FEC • SR-DBA and NSR-DBA • Type B (single-homing & dual-homing)	• IEEE 802.11 b/g/n • 2 x 2 MIMO • Antenna gain: 2 dBi • WMM • Multiple SSIDs • WPS • Air interface rate: 300 Mbit/s
Ethernet port	**POTS port**
• Complying with IEEE 802.3 • 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 • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • FE: Auto-adaptive 10 Mbit/s or 100 Mbit/s	• Maximum ringer equivalence number (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)

Product Function

Smart interconnection	**Smart O&M**	**Layer 3 features**	**Security**
• Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control	• IPTV video quality diagnosis • Rogue ONT detection and isolation from the OLT • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation	• PPPoE/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack, and DS-Lite	• SPI firewall • Filtering based on MAC/IP/URL addresses **Common O&M** • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software

	testing • WLAN emulation	• Static/Default routes • Multiple services on one WAN port	backup and rollback
Multicast	**Smart service**	**Power saving**	**QoS**
• IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping	• Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing • Scheduled Wi-Fi shutdown	• Indicator power saving	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate and unknown packet limitation

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