

EchoLife EG8141A5 Datasheet 03

EchoLife EG8141A5, an intelligent routing-type ONT

Overview

The EchoLife EG8141A5 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, 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) | 30 mm x 152 mm x 105 mm (without an external antenna and pads) | System power supply | 11–14 V DC, 1 A |
|---|--|----------------------------|-----------------|

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|------------------------------|----------------------------------|----------------------------------|---------------------------------|
| Weight | About 180 g | Static power consumption | 3.1 W |
| Operating temperature | 0°C to 40°C | Maximum power consumption | 7.15 W |
| Operating humidity | 5% RH to 95% RH (non-condensing) | NNI | GPON |
| Power adapter input | 100–240 V AC, 50/60 Hz | UNI | 1POTS + 1GE + 3 FE + 2.4G Wi-Fi |
| Indicators | Power/PON/LOS/LAN/TEL/WLAN/WPS | Optical Connector | SC/APC |

Interface Parameters

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|---|---|
| GPON port <ul style="list-style-type: none"> • 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) | WLAN <ul style="list-style-type: none"> • IEEE 802.11 b/g/n • 2 x 2 MIMO • Antenna gain: 5 dBi • WMM • Multiple SSIDs • WPS • Air interface rate: 300 Mbit/s |
| Ethernet port <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 • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • FE: Auto-adaptive 10 Mbit/s, 100 Mbit/s | POTS port <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) |

Product Function


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|---|--|---|---|
| Smart interconnection <ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control | Smart O&M <ul style="list-style-type: none"> • IPTV video quality diagnosis • Rogue ONT detection and isolation from the OLT • Call emulation, and circuit test and loop-line test | 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, and | Security <ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses |
| | | | Common O&M <ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI |

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|---|---|--|---|
| | <ul style="list-style-type: none"> • PPPoE/DHCP simulation testing • WLAN emulation • eSight management | DS-Lite <ul style="list-style-type: none"> • Static/Default routes • Multiple services on one WAN port | messages <ul style="list-style-type: none"> • Dual-system software backup and rollback |
| Multicast | Smart service | Power saving | QoS |
| <ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping | <ul style="list-style-type: none"> • Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing • Scheduled Wi-Fi shutdown | <ul style="list-style-type: none"> • Indicator power saving • COC V5 | <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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