

EchoLife EG8041V5-10 Datasheet 02(7dBi)

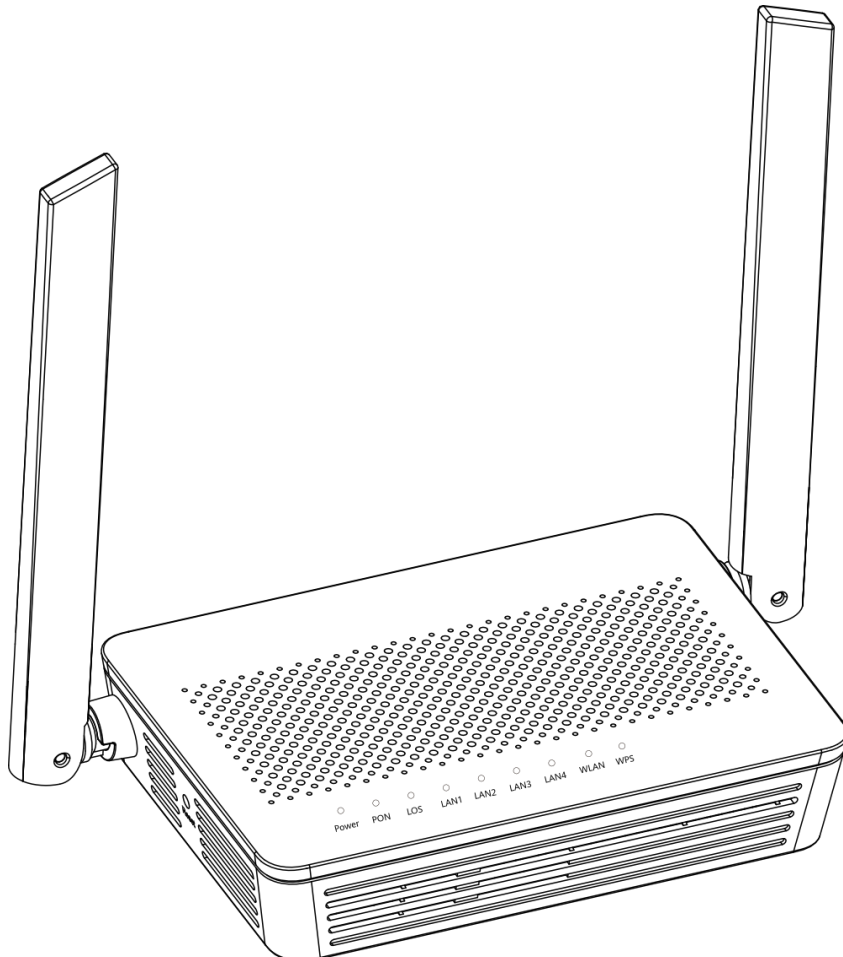
Huawei EG8041V5-10, an intelligent routing-type ONT

Overview

The Huawei EG8041V5-10 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 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



Device Parameters

Dimensions (H x W x D) (without external antenna and pads)	30 mm x 155 mm x 105 mm	Static power consumption	5 W
Weight	About 220 g	Maximum power consumption	12 W
Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non- condensing)	UNI	4GE+2.4GHz/5GHz Wi-Fi
Power adapter input	100–240 V AC, 50/60 Hz	Optical connector	SC/APC
System power supply	12 V DC, 1.5 A	Indicators	Power/PON/LOS/LAN1/LAN 2/LAN3/LAN4/WLAN/WPS

Interface Parameters

GPON port	WLAN
<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm • 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) 	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4GHz) • IEEE 802.11 a/n/ac (5GHz) • 2 x 2 MIMO (2.4GHz&5GHz) • Antenna gain: 7 dBi* (5 GHz), 5 dBi (2.4 GHz) • WMM/Multiple SSIDs/WPS • 2.4GHz&5GHz concurrent • Air interface rate: 300 Mbit/s (2.4GHz), 867 Mbit/s (5GHz)
	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 • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s

*: The 7 dBi antennas are applicable to scenarios where the transmit power is not limited. If the local laws and regulations stipulate that the transmit power must be lower than 31 dBm, the coverage performance of 7 dBi antennas may deteriorate compared with that of 5 dBi antennas in some scenarios. Select applicable products based on local laws and regulations.

Product Function


Smart interconnection	Smart O&M	Layer 3 features	Smart service
<ul style="list-style-type: none"> • Smart Wi-Fi coverage • Any port any service • Parental control • L2/L3(IPv4) forwarding: 	<ul style="list-style-type: none"> • IPTV video quality diagnosis • eMDI • Rogue ONT detection 	<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP 	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-

1G uplink, 2G downlink	and isolation from the OLT <ul style="list-style-type: none"> • PPPoE/DHCP simulation testing • WLAN emulation 	<ul style="list-style-type: none"> • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack, DS-Lite and IPv6 SPI • Static/Default routes • Multiple services on one WAN port 	based sharing QoS <ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Multicast	Security	Common O&M	Power saving
<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping 	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses 	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback 	<ul style="list-style-type: none"> • Indicator power saving • COC V6

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