

EchoLife EG8041V5 Datasheet 02(7dBi)

Huawei EG8041V5, an intelligent routing-type ONT

Overview

The Huawei EG8041V5 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 200 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	2GE+2FE+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
Memory	128 MB Flash, 256 MB RAM		

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 (2.4 GHz) • IEEE 802.11 a/n/ac (5 GHz) • 2 x 2 MIMO (2.4 GHz&5 GHz) • 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 • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • FE: Auto-adaptive 10 Mbit/s, 100 Mbit/s
<p>*: 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.</p>	

Product Function

Smart interconnection	Smart O&M	Layer 3 features	Smart service
<ul style="list-style-type: none"> • Smart Wi-Fi coverage 	<ul style="list-style-type: none"> • IPTV video quality diagnosis 	<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP 	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown

<ul style="list-style-type: none"> Any port any service Parental control L2/L3(IPv4) forwarding: 1G uplink, 2G downlink 	<ul style="list-style-type: none"> eMDI Rogue ONT detection and isolation from the OLT PPPoE/DHCP simulation testing WLAN emulation 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-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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