

EchoLife EG8021V5 Datasheet 01

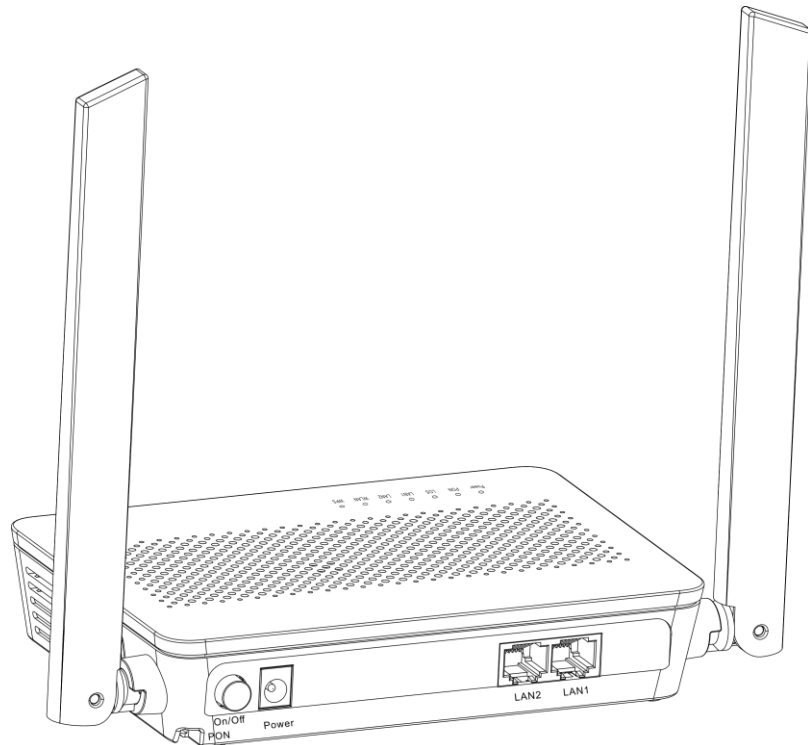
Huawei EG8021V5, an intelligent routing-type ONT

Overview

The Huawei EG8021V5 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)	30 mm x 155 mm x 105 mm	Static power consumption	4.6 W
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(without external antenna and pads)			
Weight	About 196 g	Maximum power consumption	11.6 W
Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	2GE+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 A	Indicators	Power/PON/LOS/LAN1/LAN2/WLAN/WPS
Memory	128 MB Flash, 128 MB RAM		

Interface Parameters

GPON port	WLAN
<ul style="list-style-type: none"> Class B+ Receiver sensitivity: -27 dBm Overload optical power: -8 dBm Wavelengths: 1310 nm upstream, 1490 nm downstream 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 	<ul style="list-style-type: none"> IEEE 802.11 b/g/n (2.4GHz) IEEE 802.11 a/n/ac (5GHz) 2 × 2 MIMO (2.4GHz&5GHz) Antenna gain: 5 dBi 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

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: 1G uplink, 2G downlink 	<ul style="list-style-type: none"> IPTV video quality diagnosis eMDI Rogue ONT detection and isolation from the OLT PPPoE/DHCP simulation testing WLAN emulation 	<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, DS-Lite and IPv6 SPI Static/Default routes Multiple services on one 	<ul style="list-style-type: none"> Scheduled Wi-Fi shutdown Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing
			QoS
			<ul style="list-style-type: none"> Ethernet port rate limitation

		WAN port	<ul style="list-style-type: none"> • 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 V8

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