

EchoLife EG8040F5 Datasheet 02

Intelligent routing-type ONT

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Overview

The EchoLife EG8040F5 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.

It provides 1 GE+3 FE(1 GE port and 3 FE ports). The high forwarding performance ensures the user experience of 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)	32 mm x 145 mm x 97 mm	Static power consumption	3.7 W
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(without pads)			
Weight	About 140 g	Maximum power consumption	5 W
Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	1GE + 3FE
Power adapter input	100–240 V AC, 50/60 Hz	Optical Connector	SC/APC
System power supply	11–14 V (typical value 12 V) DC, 1 A	Indicators	Power/PON/Internet

Interface Parameters

GPON port	Ethernet ports
<ul style="list-style-type: none"> Class B+ Receiver sensitivity: -27dBm ~ -29dBm 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"> 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

Product Function


Smart interconnection	Smart O&M	Layer 3 features	QoS
<ul style="list-style-type: none"> Any port any service Parental control 	<ul style="list-style-type: none"> eMDI Variable-length OMCI messages Active/Passive rogue ONT detection and isolation PPPoE/DHCP simulation testing 	<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 DS-Lite Static/Default routes Multiple services on one WAN port 	<ul style="list-style-type: none"> Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation Flow mapping based on the VLAN ID, port ID, or/and 802.1p
Security	Multicast	Common O&M	Power saving
<ul style="list-style-type: none"> MAC/IP/URL address filtering 	<ul style="list-style-type: none"> IGMP v2/v3 snooping IGMP v2 proxy 	<ul style="list-style-type: none"> OMCI/Web UI/TR069 Dual-system software 	<ul style="list-style-type: none"> Indicator power saving

<ul style="list-style-type: none"> • SPI firewall • Anti-DoS attack 	<ul style="list-style-type: none"> • IGMP v3 proxy • MLD v1/v2 snooping 	backup and rollback	
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