

EchoLife HG8040F Datasheet 09

EchoLife HG8040F, an intelligent bridging-type ONT

Overview

- Smart service
- Smart interconnection
- Smart O&M



Device Parameters

Dimensions (H x W x D) (mm)	176 mm x 138.5 mm x 28 mm	System power supply	11–14 V DC, 0.5 A
Weight	< 500 g	Static power consumption	4 W(V3R015C10 and before) 3.5 W(after V3R015C10)
Operating temperature	0°C to 40°C	Maximum power consumption	5.5 W(V3R015C10 and before) 4 W(after V3R015C10)
Operating humidity	5% RH to 95% RH (non-condensing)	Ports	4FE

Power adapter input	100-240 V AC, 50/60 Hz	Indicators	POWER/PON/LOS/LAN
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Interface Parameters

GPON port	Ethernet port
<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Wavelengths: US 1310 nm, DS 1490 nm • Wavelength blocking filter (WBF) • 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"> • 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 • Local switching/isolation based on Ethernet ports • Transparent transmission of IPv6 packets at Layer 2


Product Function

Smart O&M	Power Saving	Multicast
<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loop-line test 	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state 	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets • IGMP/MLD protocol packet rate limitation
QoS	Common O&M	Security
<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 	<ul style="list-style-type: none"> • OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check 	<ul style="list-style-type: none"> • MAC address filtering

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