EchoLife EG8040H5 Datasheet 04

EchoLife EG8040H5, an intelligent bridging-type ONT

Overview

- Smart service
- Smart interconnection
- Smart O&M

Device Parameters

Dimensions (H x W x D) (without pads)	30 mm x 168 mm x 115 mm	**Static power consumption**	2.8 W
Weight	About 220 g	**Maximum power consumption**	4.7 W
Operating temperature	0°C to 40°C	**NNI**	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	**UNI**	4GE
Power adapter input	100-240 V AC, 50/60 Hz	**Optical Connector**	SC/APC
System power supply	11–14 V DC, 1 A	**Indicators**	Power/PON/LOS/LAN1/LAN2/LAN3/LAN4

Interface Parameters

GPON port	Ethernet port
• Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Overload optical power: -8 dBm • Wavelengths: US 1310nm, DS 1490nm • 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)	• 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
• Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing • eSight management	• Indicator power saving • Power consumption reduction of idle components in power-saving state • COC V5	• 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**
• 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	• OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check	• MAC address filtering

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