

EchoLife EG8120L Datasheet 03

EchoLife EG8120L, an intelligent bridging-type ONT

Overview

- Smart service
- Smart interconnection
- Smart O&M



Device Parameters

Dimensions (H x W x D) (without external antenna and pads)	30 mm x 94 mm x 115 mm	Static power consumption	3.8 W
Weight	About 155 g	Maximum power consumption	4.9 W
Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non- condensing)	UNI	1GE + 1FE + 1POTS

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/TEL

Interface Parameters

GPON port	Ethernet port
<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) • 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 • Local switching/isolation based on Ethernet ports • Transparent transmission of IPv6 packets at Layer 2
POTS port	-
<ul style="list-style-type: none"> • Maximum REN: 4 • G.711A/μ, G.729a/b, and G.722 encoding/decoding • T.30/T.38/G.711 fax mode • DTMF • Emergency calls (with the SIP protocol) 	

Product Function

Common O&M	Smart O&M	Smart interconnection	QoS
<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check 	<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 • eSight management 	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation • Any port any service • Parental control 	<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
Multicast	Security	Power saving	-
<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, 	<ul style="list-style-type: none"> • MAC address filtering 	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power- 	

<p>transparent transmission, and removal for downstream multicast packets</p> <ul style="list-style-type: none"> IGMP/MLD protocol packet rate limitation 		<p>saving state</p> <ul style="list-style-type: none"> COC V5 	
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