

A Smarter Way for Your Broadband Life

Huawei EG8240H5, an intelligent bridging-type ONT

Smart service, interconnection, and O&M



Device Parameters

Dimensions (H x W x D)	30 mm x 168 mm x 115 mm	Static power consumption	3 W
Weight	About 220 g	Maximum power consumption	6.6 W
Operating temperature	0°C to +40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	4GE + 2POTS
Power adapter input	100 – 240 V AC, 50/60 Hz	Optical connector	SC/APC
System power supply	11–14 V DC, 2 A	Indicators	POWER/PON/LOS/LAN/TEL
Installation mode	On the desk, or on the wall		

Interface Parameters

GPON Port	Ethernet Port	POTS Port
• Class B+ • Receiver sensitivity: -27 dBm ~ -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)	• 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	• 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

Smart Service	• Association of one account with two POTS ports	Smart O&M	• Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loop-line test • eSight management
Smart interconnection	• SIP/H.248 auto-negotiation		
QoS	• 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	Common O&M	• OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check
Security	• MAC address filtering	Multicast	• IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets
Power Saving	• Indicator power saving • Power consumption reduction of idle components in power-saving state • COC V5		• IGMP/MLD protocol packet rate limitation