

# 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
<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm</li> <li>• Overload optical power: -8 dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• Wavelength blocking filter (WBF)</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> <li>• Type B (single-homing &amp; dual-homing)</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Local switching/isolation based on Ethernet ports</li> <li>• Transparent transmission of IPv6 packets at Layer 2</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>

## Product Function

<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Association of one account with two POTS ports</li> <li>• L2 forwarding: 1G uplink, 2G downlink</li> </ul>	<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• Variable-length OMCI messages</li> <li>• Rogue ONT detection and isolation from the OLT</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Call emulation, and circuit test and loop-line test</li> <li>• eSight management</li> </ul>
<b>Smart Interconnection</b>	<ul style="list-style-type: none"> <li>• SIP/H.248 auto-negotiation</li> </ul>		<b>Common O&amp;M</b>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> <li>• Broadcast packet rate limitation</li> <li>• Flow mapping based on the VLAN ID, port ID, or/and 802.1p</li> </ul>	<b>Multicast</b>	
<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>		
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COC V5</li> </ul>		