

A Smarter Way for Your Broadband Life

Huawei HG8010H, an intelligent bridging-type ONT

Smart service, interconnection, and O&M



● Device Parameters

Dimensions (H x W x D)	(115 x 94 x 27) mm (V300R015C00 and earlier) (82 x 90 x 27) mm (V300R015C10)	System power supply	11–14 V DC, 0.5 A
Weight	< 500 g	Static power consumption	3 W
Operating temperature	0°C to +40°C	Maximum power consumption	3.5W
Operating humidity	5% RH to 95% RH (non-condensing)	Ports	1GE
Power adapter input	100–240 V AC, 50–60 Hz	Indicators	POWER/PON/LOS/LAN

● Interface Parameters

GPON Port

- Class B+
- Receiver sensitivity: -27dBm
- Wavelengths: US 1310nm, DS 1490nm
- 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

Ethernet Port

- 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
- Transparent transmission of IPv6 packets at Layer 2



● Product Function

Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing 	Security	<ul style="list-style-type: none"> • MAC address filtering
	QoS	<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 	Common O&M
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state • COCV4 	Multicast	<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