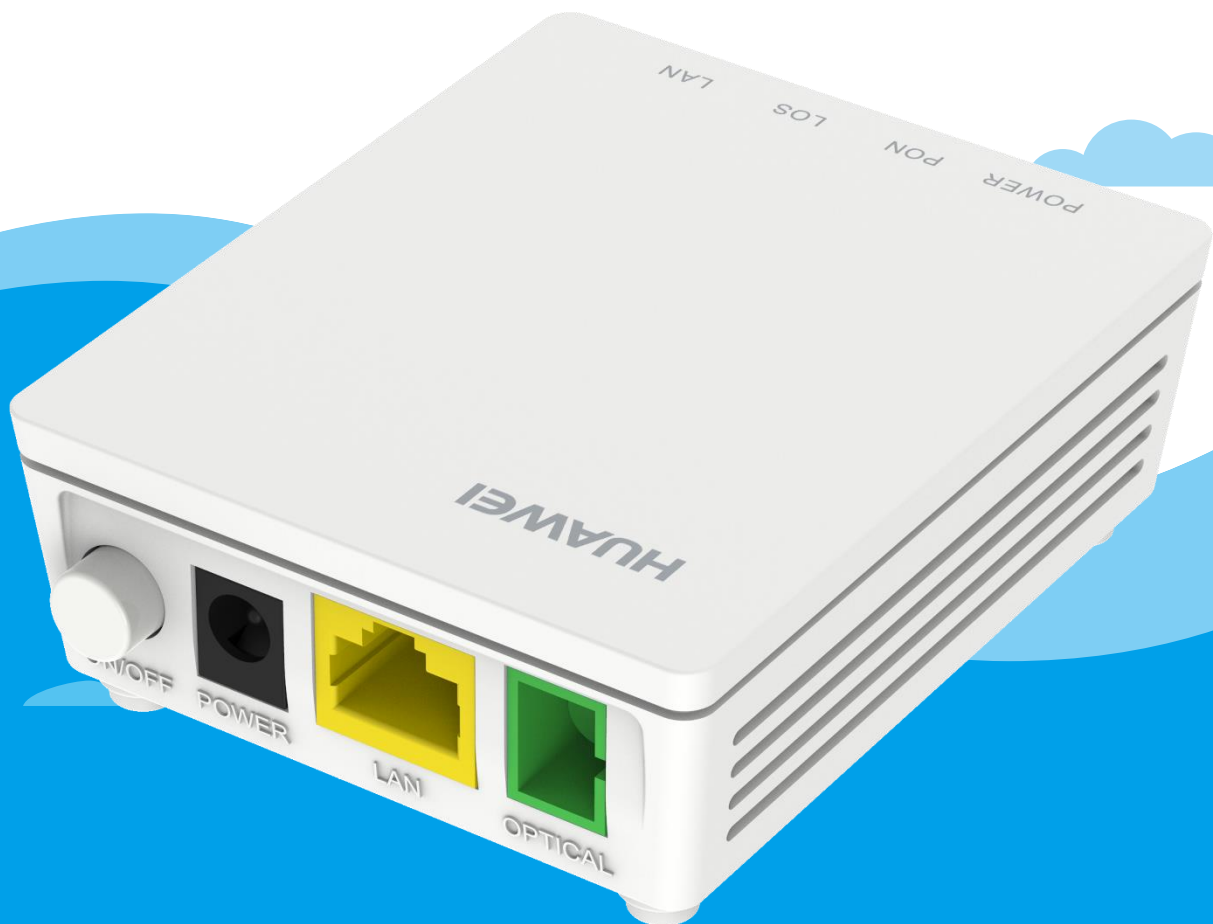


A Smarter Way for Your Broadband Life

Huawei HG8010H, an intelligent bridging-type ONT

Smart service, interconnection, and O&M



Device Parameters

| | | | |
|------------------------|----------------------------------|---------------------------|--------------------------------------|
| Dimensions (L x W x H) | 83mm x 69mm x 28mm | System power supply | 11–14 V (typical value 12 V) DC, 1 A |
| Weight | About 70 g | Static power consumption | 2 W |
| Operating temperature | 0°C to +40°C | Maximum power consumption | 2.5 W |
| 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 |

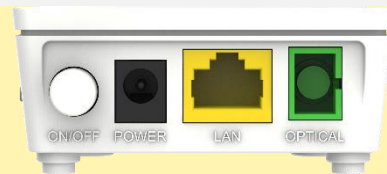
Interface Parameters

GPON Port

- Class B+
- Receiver sensitivity: -27dBm
- Wavelengths: US 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

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

- Variable-length OMCI messages
- Active/Passive rogue ONT detection and isolation
- PPPoE/DHCP simulation testing

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

Power Saving

- Indicator power saving
- Power consumption reduction of idle components in power-saving state

Security

- MAC address filtering

Common O&M

- OMCI/Web UI
- Dual-system software backup and rollback
- 802.1ag Ethernet OAM
- Optical link measurement and diagnosis
- Loopback check

Multicast

- 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