

A Smarter Way for Your Broadband Life

Huawei HG8245Q, an intelligent routing-type ONT

Smart
service

Smart
interconnection



Smart O&M

○ Device Parameters

Dimensions (HxWxD)	(70 x 285 x 174)mm
Weight	about 1000g
Operating temperature	0°C to +40°C
Operating humidity	5%RH to 95%RH (non-condensing)
Power adapter input	100–240V AC, 50–60Hz
System power supply	11–14V DC, 3 A
Static power consumption	6.5W
Maximum power consumption	26W
Ports	2POTS+4GE+2.4G/5G Wi-Fi +2USB

○ Product Function

QoS	<ul style="list-style-type: none">• Ethernet port rate limitation• 802.1p priority• SP/WRR/SP+WRR• Broadcast packet rate limitation
Layer 3 Features	<ul style="list-style-type: none">• PPPoE/Static/DHCP• NAT/NAPT• Port forwarding• ALG, UPnP• DDNS/DNS server/DNS client• IPv6/IPv4 dual stack, and DS-Lite• Static/Default routes• Multiple services on one WAN port• Any port any service
Security	<ul style="list-style-type: none">• SPI firewall• Anti-DoS attack• Filtering based on MAC/IP/URL addresses• Parental control
Multicast	<ul style="list-style-type: none">• IGMP v2/v3 proxy/snooping• MLD v1/v2 snooping• Multicast services through Wi-Fi
O&M	<ul style="list-style-type: none">• OMCI/Web UI/TR069• Active/Passive rogue ONT detection and isolation• PPPoE/DHCP simulation testing• Call emulation, and circuit test and loop-line test• Dual-system software backup and rollback
Power Saving	<ul style="list-style-type: none">• Dynamic power saving• Indicator power saving• Wi-Fi on/off timing• COCV4

○ Interface Parameters

GPON Port

- Wavelength blocking filter (WBF)
- Wavelengths: US 1310 nm, DS 1490 nm
- Flexible mapping between GEM Ports and TCONT
- GPON: consistent with the SN or password authentication defined in G.984.3
- Bi-directional FEC
- SR-DBA and NSR-DBA
- DBA piggy-back DBRu mode 0
- Variable-length OMCI messages

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

POTS Port

- Switching between the SIP and H.248 through web pages
- 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)
- Association of one account with two POTS ports

WLAN Port

- 802.11 b/g/n(2.4G)
- 802.11 a/n/ac(5G)
- 3 × 3 MIMO
- Antenna: 2 dBi
- WMM
- Multiple SSIDs
- WPS
- Wi-Fi sharing
- 2.4G/5G concurrent

USB Port

- Compatible with USB2.0
- FTP-based network storage
- File/Print sharing based on SAMBA
- DLNA DMS/UPnP AV (media server)