

HUAWEI HG8245Q

INTELLIGENT ROUTING-TYPE ONT



PRODUCT FUNCTION

Smart interconnection	• Smart Wi-Fi coverage (V300R015C10) • SIP/H.248 auto-negotiation • Any port any service • Parental control (V300R015C00) • L2/L3 forwarding: 1G uplink, 2G downlink
Smart service	• Smart Wi-Fi sharing: ◦ Portal/802.1x authentication (V300R015C10) ◦ SoftGRE-based sharing (V300R015C10) • Association of one account with two POTS ports
Smart O&M	• IPTV video quality diagnosis (V300R015C10) • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing • WLAN emulation
Layer 3 Features	• PPPoE/Static IP/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
Multicast	• IGMP v2/v3 proxy(V300R015C00)/snooping • MLD v1/v2 snooping • Multicast services through Wi-Fi
QoS	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Security	• SPI firewall • IPv6 firewall (V300R015C10) • Filtering based on MAC/IP/URL addresses
Common O&M	• OMCI/Web UI/TR069 • Dual-system software backup and rollback
Power Saving	• Dynamic power saving • Indicator power saving • Scheduled Wi-Fi shutdown (V300R015C00)



SPECIFICATIONS

DEVICE PARAMETERS	
Dimensions (HxWxD)	70 x 285 x 174 mm
Weight	about 1000 g
Operating temperature	0 °C to +40 °C
Operating humidity	5% RH to 95% RH (non-condensing)
Power adapter input	100–240 V AC, 50–60 Hz
System power supply	11–14 V DC, 3 A
Static power consumption	6.5 W
Maximum power consumption	26 W
Ports	2 POTS, 4 GE, 2.4G/5G Wi-Fi, 2 USB
INTERFACE PARAMETERS	
GPON Port	• Class B+ • Receiver sensitivity: -27 dBm • Wavelengths: US 1310 nm, DS 1490 nm • 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
POTS Port	• 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)
USB Port	• USB 2.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)
WLAN	• IEEE 802.11 b/g/n(2.4 G) • IEEE 802.11 a/n/ac(5 G) • 3 × 3 MIMO • Antenna gain: 2 dBi • WMM • Multiple SSIDs • WPS • 2.4 G/5 G concurrent