

HUAWEI EG 8245H

GPON ONT WITH 4GE, WI-FI, 2 VOICE PORTS AND USB



SPECIFICATIONS

DEVICE PARAMETERS	
Dimensions (HxWxD)	(176 x 138.5 x 28)mm (without an external antenna)
Weight	about 500g
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, 2 A
Static power consumption	5W
Maximum power consumption	15.5W
Ports	2POTS+4GE+Wi-Fi+USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS
INTERFACE PARAMETERS	
GPON Port	• Class B+ • Receiver sensitivity: -27dBm • Wavelengths: US 1310nm, DS 1490nm • 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	• USB2.0 • FTP-based network storage
WLAN	• IEEE 802.11 b/g/n • 2 x 2 MIMO • Antenna gain: 2 dBi • WMM • Multiple SSIDs • WPS

PRODUCT FUNCTION	
Smart interconnection	• Smart Wi-Fi coverage (V300R015C10) • SIP/H.248 auto-negotiation • Any port any service • Parental control (V300R015C00) • L2/L3(IPv4) 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 • 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)