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### Overview

The Huawei EchoLife HG8245H is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. It provides 4 GE+2 POTS+1 USB+1 Wi-Fi(4 GE ports, 2 POTS ports, 1 USB port, and 1 2.4G WiFi port). The high forwarding performance ensures the user experience of voice, data, and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

#### **Quick Specification**

#### Table 1 shows the Quick Specification.

Model	EchoLife HG8245H
Dimensions (W x D x H)	176 mm x 138.5 mm x 28 mm (without an external antenna)
Weight	About 500g
Operating Temperature	$0^{\circ}$ C to $+40^{\circ}$ C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	100-240V AC, 50/60 Hz
System Power Supply	11-14V DC, 2A
Static Power Consumption	5 W
Maximum Power Consumption	15.5W

#### Figure 1 shows the appearance of EchoLife HG8245H.





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### **Product Details**

### **Interface Parameters**

	• Class B+
	• Receiver sensitivity: -27dBm
	Wavelengths: US 1310nm, DS 1490nm
GPON Port	• WBF
Gron ron	• 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-based VLAN tags and tag removal
	• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission
Ethernet Port	• QinQ VLAN
	• Limit on the number of learned MAC addresses
	MAC address learning
	Maximum REN: 4
	• G.711A/µ, G.729a/b, and G.722 encoding/decoding
POTS Port	• 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)

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# EchoLife HG8245H Datasheet

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	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
	PPPoE/Static IP/DHCP
	• NAT/NAPT
	• Port forwarding
Layer 3 Features	• ALG, UPnP
Layer 5 reatures	• DDNS/DNS server/DNS client
	• IPv6/IPv4 dual stack, and DS-Lite
	• Static/Default routes
	• Multiple services on one WAN port
	• IGMP v2/v3 proxy(V300R015C00)/snooping
Multicast	• MLD v1/v2 snooping
	• Multicast services through Wi-Fi
	• Ethernet port rate limitation
QoS	• 802.1p priority
Qos	• SP/WRR/SP+WRR
	• Broadcast packet rate limitation
Security	• SPI firewall
Security	• Filtering based on MAC/IP/URL addresses
Common O&M	• OMCI/Web UI/TR069
Common O&M	• Dual-system software backup and rollback
Power Saving	• Dynamic power saving
	• Indicator power saving
	• Scheduled Wi-Fi shutdown (V300R015C00)

#### **Get More Information**

Do you have any question about the EchoLife HG8245H?

Contact us now via info@hi-network.com.

# Specification

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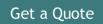
# EchoLife HG8245H Datasheet

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System Power Supply	11-14V DC, 2A
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Maximum Power Consumption	15.5W
Ports	2POTS+4GE+Wi-Fi+USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS
	• Class B+
	• Receiver sensitivity: -27dBm
	• Wavelengths: US 1310nm, DS 1490nm
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