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Overview

The Huawei EchoLife HN8245Q is an routing-type ONT used in the Huawei all-optical access solution. It uses XG-PON technology to provide ultra-broadband access for users.

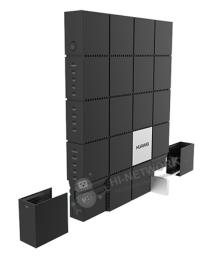
It provides 4 GE+2 POTS+2 USB+2 WiFi(4 GE Ethernet ports, 2 POTS ports, 2 USB port, 1 2.4G WiFi port and 1 5G WiFi port). High-performance forwarding provides VoIP, Internet, and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HN8245Q
Dimensions (W x D x H)	238mm x 190mm x 26mm (Without the base)
Weight	About 850 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 W
Maximum Power Consumption	30 W
NNI	XG-PON (SFP+ Optical Module)
UNI	2POTS+4GE+2.4G&5G Wi-Fi+2USB

Figure 1 shows the appearance of EchoLife HN8245Q.





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Product Details

Port Parameters

	CL MIATA
	• Class N1/N2a
	• Receiver sensitivity: -28dBm
	• Wavelengths: US 1260-1280nm, DS 1575-1580nm
	Wavelength blocking filter (WBF)
XG-PON Port	Flexible mapping between GEM Port and TCONT
	SN/Password/SN+Password/Bi-directional authentication based on OMCI
	upstream and downstream FEC
	• SR-DBA and NSR-DBA
	• 2.5Gbps uplink, 10Gbps downlink
	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
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)
	• USB3.0
VIAN D	FTP-based network storage
USB Port	• File/Print sharing based on SAMBA
	• DLNA DMS/UPnP AV (media server)
	● IEEE 802.11 b/g/n (2.4G)
	● IEEE 802.11 a/n/ac (5G)
	• 3 × 3 MIMO (2.4G/5G)
	• Antenna gain: 2 dBi
WLAN	• WMM / Multiple SSIDs
	• WPS
	• 2.4G/5G concurrent
	• Air interface rate: 450 Mbps (2.4G); 1300 Mbps (5G)

Function List

	Smart Wi-Fi coverage
Smart Interconnection	• SIP/H.248 auto-negotiation
	Any port any service



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	R C
	Parental control
	• Smart Wi-Fi sharing:
Smart Service	- Portal/802.1x authentication
	- SoftGRE-based sharing
	 Association of one account with two POTS ports
	IPTV video quality diagnosis
	Variable-length OMCI messages
	Active/Passive rogue ONT detection and isolation
Smart O&M	• Call emulation, and circuit test and loop-line test
	PPPoE/DHCP simulation testing
	Wi-Fi emulation
	• One-click diagnosis (Web)
	PPPoE/Static IP/DHCP
	• NAT/NAPT
	Port forwarding
V 25 4	• ALG, UPnP
Layer 3 Features	• 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 snooping
Multicast	• MLD v1/v2 snooping
	Multicast services through Wi-Fi
	Ethernet port rate limitation
QoS	• 802.1p priority
	• SP/WRR/SP+WRR
	• SPI firewall
Security	• Filtering based on MAC/IP addresses
0.004	OMCI/Web UI/TR069
Common O&M	Dual-system software backup and rollback
Power Saving	• COC V5
	• Scheduled Wi-Fi shutdown

Get More Information

Do you have any question about the EchoLife HN8245Q?

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

Specification

EchoLife HN8245Q Specification



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