

## Overview

Routing-type ONT, 4GE+2WIFI+1USB, support QoS, Security, Power Saving, Multicast, Layer 3 Features, 2.4G/5G WIFI, USB and Smart O&M.

## Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8045Q
Dimensions (W x D x H)	230 mm x 190 mm x 30 mm (excluding the support)
Weight	About 500 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, 2 A
Static Power Consumption	5 W
Maximum Power Consumption	21 W
Ports	4GE+2.4G/5G Wi-Fi+USB
Indicators	POWER/ON/LOS/USB/PORT/2.4GWi-Fi/WPS

Figure 1 shows the appearance of EchoLife HG8045Q.





## Product Details

### Port Parameters

GPON Port	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27 dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• Wavelength blocking filter (WBF)</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> </ul>
Ethernet Port	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> </ul>
USB Port	<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
WLAN	<ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n (2.4G)</li> <li>• IEEE 802.11 a/n/ac (5G)</li> <li>• 3 × 3 MIMO</li> <li>• Antenna gain: 2 dBi</li> <li>• WMM</li> <li>• Multiple SSIDs</li> <li>• WPS</li> <li>• 2.4G/5G concurrent</li> <li>• Air interface rate: 450 Mbps (2.4G); 1300 Mbps (5G)</li> </ul>

### Function List

Smart Interconnection	<ul style="list-style-type: none"> <li>• Any port any service</li> <li>• L2/L3 forwarding: 1G uplink, 2G downlink</li> </ul>
Smart Service	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing</li> </ul>
Smart O&M	<ul style="list-style-type: none"> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• PPPoE/DHCP simulation testing</li> <li>• WLAN emulation</li> </ul>
Layer 3 Features	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHC</li> <li>• NAT/NAPT</li> </ul>





	<ul style="list-style-type: none"> <li>• Port forwarding</li> <li>• ALG, UPnP</li> <li>• DDNS/DNS server/DNS client</li> <li>• IPv6/IPv4 dual stack, and DS-Lite</li> <li>• Static/Default routes</li> <li>• Multiple services on one WAN port</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Multicast services through Wi-Fi</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Anti-DoS attack</li> <li>• Filtering based on MAC/IP/URL addresses</li> </ul>
Common O&M	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
Power Saving	<ul style="list-style-type: none"> <li>• Dynamic power saving</li> <li>• Indicator power saving</li> <li>• COCv4</li> </ul>

## Get More Information

Do you have any question about the EchoLife HG8045Q?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

EchoLife HG8045Q Specification	
Dimensions (W x D x H)	230 mm x 190 mm x 30 mm (excluding the support)
Weight	About 500 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, 2 A
Static Power Consumption	5 W
Maximum Power Consumption	21 W





Get a Quote

Ports	4GE+2.4G/5G Wi-Fi+USB
Indicators	POWER/ON/LOS/USB/PORT/2.4GWi-Fi/WPS
GPON Port	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27 dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• Wavelength blocking filter (WBF)</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> </ul>
Ethernet Port	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> </ul>
USB Port	<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
WLAN	<ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n (2.4G)</li> <li>• IEEE 802.11 a/n/ac (5G)</li> <li>• 3 × 3 MIMO</li> <li>• Antenna gain: 2 dBi</li> <li>• WMM</li> <li>• Multiple SSIDs</li> <li>• WPS</li> <li>• 2.4G/5G concurrent</li> <li>• Air interface rate: 450 Mbps (2.4G); 1300 Mbps (5G)</li> </ul>

## Want to Buy

Get a Quote



[Learn More](#) about Hi-Network



[Search](#) our Resource Library



[Follow](#) us on LinkedIn



Contact for [Sales](#) or [Support](#)





## Contact HI-NETWORK.COM For Global Fast Shipping

---

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

