

## Overview

The Huawei EchoLife HG8310M is a ONU terminal of the renowned Huawei company used in FTTx networks. It is equipped with one standard Gigabit Ethernet port and a blue marked GPON port with SC/UPC connector. The compact size makes it easy to install the device and set up at the customer's site. The terminal is an excellent client device, as it offers high switching performance and throughput up to 100 Mb/s meeting the highest requirements. HG8310M guarantees comfort while using the Internet and watching movies in 4K and smooth online gaming.

## Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8310M
Dimensions (H x W x D)	115 mm x 94 mm x 27 mm (V300R015C00 and earlier) 82 mm x 90 mm x 27 mm (V300R015C10)
Weight	< 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
Static Power Consumption	3 W (V300R015C00) 2 W (V300R015C10)
Maximum Power Consumption	3.5 W (V300R015C00) 2.5 W (V300R015C10)
Ports	1GE
Indicators	POWER/PON/LOS/LAN

Figure 1 shows the appearance of EchoLife HG8310M.





## Product Details

### Interface Parameters

GPON Port	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm</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</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> <li>• MAC address learning</li> <li>• Local switching/isolation based on Ethernet ports</li> <li>• Transparent transmission of IPv6 packets at Layer 2</li> </ul>

### Product Function

QoS	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> <li>• Broadcast packet rate limitation</li> <li>• Flow mapping based on the VLAN ID, port ID, or/and 802.1p</li> </ul>
Security	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
Power Saving	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</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> </ul>
Common O&M	<ul style="list-style-type: none"> <li>• OMCI/Web UI</li> <li>• Dual-system software backup and rollback</li> <li>• 802.1ag Ethernet OAM</li> <li>• Optical link measurement and diagnosis</li> <li>• Loopback check</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> </ul>



- VLAN tag translation, transparent transmission, and removal for downstream multicast packets
- IGMP/MLD protocol packet rate limitation

## Get More Information

Do you have any question about the EchoLife HG8310M?

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

## Specification

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