

# Huawei ONT Products Datasheet



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## Overview




ONT (Optical network terminal), is a product in the XPON network access solution. Huawei EchoLife series provides intelligent routing-type Optical Network Terminals (ONT) in Huawei's FTTH solution that provides ultra-broadband access for home users by using GPON technology.

## Models & Appearance

Model	Appearance
<b>Huawei Bridge ONT</b>	
Huawei EG8040H5	 A white, rectangular Huawei EG8040H5 ONT device with a perforated top surface and a rear panel featuring a power jack, a power button, and four yellow Ethernet ports.
Huawei EG8240H5	 A white, rectangular Huawei EG8240H5 ONT device with a perforated top surface and a rear panel featuring a power jack, a power button, and four yellow Ethernet ports.
Huawei EG8120L	 A white, rectangular Huawei EG8120L ONT device with a smooth top surface and a rear panel featuring a power jack, a power button, and four Ethernet ports (one yellow, one green, and two white).
Huawei EG8010H	 A white, rectangular Huawei EG8010H ONT device with a smooth top surface and a rear panel featuring a power jack, a power button, and four Ethernet ports (one yellow, one green, and two white).

Huawei EG8040H	
Huawei EG8240H	
Huawei EG8242H	
<b>Huawei Gateway ONT without Wi-Fi</b>	
Huawei EG8084P	
Huawei EG8040P	
Huawei EG8080P	
Huawei EG8240P	

Huawei EG8280P	
<b>Huawei Wi-Fi ONT</b>	
Huawei EG8141A5	
Huawei EG8245Q	
Huawei EG8247Q	
Huawei EG8245H5	
Huawei EG8247H5	

Huawei EG8145V5	 A white, compact desktop router with two vertical antennas and a perforated front panel.
Huawei EG8045H	 A white desktop router with two vertical antennas and a perforated front panel, featuring a yellow Ethernet port on the rear.
Huawei EG8245H	 A white desktop router with two vertical antennas and a perforated front panel, featuring a yellow Ethernet port on the rear.
Huawei EG8247H	 A white desktop router with two vertical antennas and a perforated front panel, featuring a yellow Ethernet port on the rear.
Huawei EG8247W	 A white, flat-panel desktop router with a smooth surface and a small antenna on the top.

Huawei HG8245Q2	 A white, wall-mountable optical network terminal (ONT) with a sleek, modern design. It features a small display screen and several ports on the front panel.
<b>Huawei 10G PON ONT</b>	
Huawei HN8055Q	 A black, wall-mountable optical network terminal (ONT) with a grid-like front panel. It has a small display screen and ports on the front.
Huawei HN8245Q	 A black, wall-mountable optical network terminal (ONT) with a grid-like front panel, similar to the HN8055Q model. It features a small display screen and ports on the front.
Huawei HN8255Ws	 A white, wall-mountable optical network terminal (ONT) with a rectangular front panel. It has a small display screen and ports on the front.

## Huawei HG8010H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	115 x 94 x 27 (V300R015C00 and earlier) 82 x 90 x 27 (V300R015C10)	<b>System power supply</b>	11–14 V DC, 0.5 A
<b>Weight</b>	< 500 g	<b>Static power consumption</b>	3 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	3.5 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	1GE
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN
Interface Parameters			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<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> </ul>		



			<ul style="list-style-type: none"> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Transparent transmission of IPv6 packets at Layer 2</li> </ul>
<b>Product Function</b>			
<b>Smart O&amp;M</b>	<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>	<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
<b>QoS</b>	<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>	<b>Common O&amp;M</b>	<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>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COCv4</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>

## Huawei HG8040H Specification

<b>Device Parameters</b>			
<b>Dimensions (H x W x D) (mm)</b>	176 mm x 138.5 mm x 28 mm	<b>System power supply</b>	11–14 V DC, 1 A

<b>Weight</b>	< 500 g	<b>Static power consumption</b>	4 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	7.5 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	4GE
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN
<b>Interface Parameters</b>			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<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> <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>		
<b>Product Function</b>			

<b>Smart O&amp;M</b>	<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>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• L2 forwarding: 1G uplink, 2G downlink</li> </ul>
		<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
<b>QoS</b>	<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>	<b>Common O&amp;M</b>	<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>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COCv4</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>

## Huawei HG8110H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	134 mm x 115 mm x 27 mm	<b>System power supply</b>	11–14 V DC, 1 A
<b>Weight</b>	< 500 g	<b>Static power consumption</b>	3.5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	5.5 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	1GE + 1POTS
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN/TEL
Interface Parameters			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<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> </ul>		

	<ul style="list-style-type: none"> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Transparent transmission of IPv6 packets at Layer 2</li> </ul>		
<b>POTS Port</b>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>		
<b>Product Function</b>			
<b>Smart O&amp;M</b>	<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>• Call emulation, and circuit test and loop-line test</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• SIP/H.248 auto-negotiation</li> </ul>
		<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
<b>QoS</b>	<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>	<b>Common O&amp;M</b>	<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>

<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COCv4</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>
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### Huawei HG8240H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	176 mm x 138.5 mm x 28 mm	<b>System power supply</b>	11–14 V DC, 1 A
<b>Weight</b>	< 500 g	<b>Static power consumption</b>	4 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	10 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	4GE + 2POTS
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN/TEL
Interface Parameters			
<b>GPON Port</b>	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm</li> </ul>		

			<ul style="list-style-type: none"> <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>
<b>Ethernet Port</b>			<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> <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>
<b>POTS Port</b>			<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>Product Function</b>			
<b>Smart O&amp;M</b>	Variable-length OMCI messages	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• SIP/H.248 auto-negotiation</li> </ul>

	<ul style="list-style-type: none"> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Call emulation, and circuit test and loop-line test</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
		<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Association of one account with two POTS ports</li> <li>• L2 forwarding: 1G uplink, 2G downlink</li> </ul>
<b>QoS</b>	<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>	<b>Common O&amp;M</b>	<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>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COCv4</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>



## Huawei HG8242H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	220 mm x 160 mm x 32 mm	<b>System power supply</b>	11–13 V DC, 2 A
<b>Weight</b>	< 500 g	<b>Static power consumption</b>	5.5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	14 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	4GE + 2POTS + CATV
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN/TEL /CATV
Interface Parameters			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> </ul>		

			<ul style="list-style-type: none"> <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>
<b>POTS Port</b>			<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>CATV Port</b>			<ul style="list-style-type: none"> <li>• Bandwidth 54-870 MHz</li> <li>• Output resistance 75 ohms</li> </ul>
<b>Product Function</b>			
<b>Smart O&amp;M</b>	Variable-length OMCI messages <ul style="list-style-type: none"> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Call emulation, and circuit test and loop-line test</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• SIP/H.248 auto-negotiation</li> </ul>
		<b>Security</b>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>
		<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Association of one account with two POTS ports</li> <li>• L2 forwarding: 1G uplink, 2G downlink</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI</li> </ul>

	<ul style="list-style-type: none"> <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>		<ul style="list-style-type: none"> <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>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• Power consumption reduction of idle components in power-saving state</li> <li>• COCv4</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>

## Huawei HG8245H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	176 mm x 138.5 mm x 28 mm  (without an external antenna)	<b>System power supply</b>	11–14 V DC, 2 A
<b>Weight</b>	About 500 g	<b>Static power consumption</b>	5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	15.5 W

<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	2POTS+4GE+Wi-Fi+USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN/TEL/USB /WLAN/WPS
<b>Interface Parameters</b>			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<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> <li>• MAC address learning</li> </ul>		
<b>POTS Port</b>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> </ul>		

			<ul style="list-style-type: none"> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>USB Port</b>			<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> </ul>
<b>WLAN</b>			<p>IEEE 802.11 b/g/n</p> <ul style="list-style-type: none"> <li>• 2 x 2 MIMO</li> <li>• Antenna gain: 2 dBi</li> <li>• WMM</li> <li>• Multiple SSIDs</li> <li>• WPS</li> </ul>
<b>Product Function</b>			
<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• IPTV video quality diagnosis (V300R015C10)</li> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• Call emulation, and circuit test and loop-line test</li> <li>• PPPoE/DHCP simulation testing</li> <li>• WLAN emulation</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage (V300R015C10)</li> <li>• SIP/H.248 auto-negotiation</li> <li>• Any port any service</li> <li>• Parental control (V300R015C00)</li> <li>• L2/L3(IPv4) forwarding: 1G uplink, 2G downlink</li> </ul>

<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing: Portal/802.1x authentication (V300R015C10)</li> <li>• SoftGRE-based sharing (V300R015C10)</li> <li>• Association of one account with two POTS ports</li> </ul>
<b>QoS</b>	<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> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Dynamic power saving</li> <li>• Indicator power saving</li> <li>• Scheduled Wi-Fi shutdown (V300R015C00)</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Filtering based on MAC/IP/URL addresses</li> </ul>
		<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 proxy(V300R015C00)/snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Multicast services through Wi-Fi</li> </ul>

## Huawei HG8247H Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	220 mm x 160 mm x 32 mm (without an external antenna)	<b>System power supply</b>	11–13 V DC, 2 A
<b>Weight</b>	About 1000 g	<b>Static power consumption</b>	7.5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	18 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	2POTS+4GE+CATV+Wi-Fi+USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN/TEL/USB /WLAN/WPS/CATV
Interface Parameters			
<b>GPON Port</b>	<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>		

<b>Ethernet Port</b>	<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> <li>• MAC address learning</li> </ul>
<b>CATV Port</b>	<ul style="list-style-type: none"> <li>• Bandwidth 54-870 MHz</li> <li>• Output resistance 75 ohms</li> </ul>
<b>POTS Port</b>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>USB Port</b>	<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> </ul>
<b>WLAN</b>	<p>IEEE 802.11 b/g/n</p> <ul style="list-style-type: none"> <li>• 2 x 2 MIMO</li> <li>• Antenna gain: 2 dBi</li> <li>• WMM</li> <li>• Multiple SSIDs</li> <li>• WPS</li> </ul>
<b>Product Function</b>	



<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• Call emulation, and circuit test and loop-line test</li> <li>• PPPoE/DHCP simulation testing</li> <li>• WLAN emulation</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage (V300R015C10)</li> <li>• SIP/H.248 auto-negotiation</li> <li>• Any port any service</li> <li>• Parental control (V300R015C00)</li> <li>• L2/L3(IPv4) forwarding: 1G uplink, 2G downlink</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing: Portal/802.1x authentication (V300R015C10)</li> <li>• SoftGRE-based sharing (V300R015C10)</li> <li>• Association of one account with two POTS ports</li> </ul>
<b>QoS</b>	<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> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Dynamic power saving</li> <li>• Indicator power saving</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Filtering based on MAC/IP/URL addresses</li> </ul>

<ul style="list-style-type: none"> <li>Scheduled Wi-Fi shutdown (V300R015C00)</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>IGMP v2/v3 proxy(V300R015C00)/snooping</li> <li>MLD v1/v2 snooping</li> <li>Multicast services through Wi-Fi</li> </ul>
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## Huawei HG8045Q Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	230 x 190 x 30 mm (excluding the support)	<b>System power supply</b>	11–14 V DC, 2 A
<b>Weight</b>	About 500 g	<b>Static power consumption</b>	5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	21 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	4GE+2.4G/5G Wi-Fi+USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/USB/PORT /2.4GWi-Fi/5G Wi-Fi/WPS
Interface Parameters			
<b>GPON Port</b>	<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> </ul>		

	<ul style="list-style-type: none"> <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>
<b>Ethernet Port</b>	<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>
<b>USB Port</b>	<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>
<b>WLAN</b>	<ul style="list-style-type: none"> <li>• 802.11 b/g/n (2.4G)</li> <li>• 802.11 a/n/ac (5G)</li> <li>• 3 x 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 Mbit/s (2.4G); 1300 Mbit/s (5G)</li> </ul>
<b>Product Function</b>	

<b>Smart O&amp;M</b>	<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>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Any port any service</li> <li>• L2/L3 forwarding: 1G uplink, 2G downlink</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing:</li> </ul>
		<b>Multicast</b>	<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>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Dynamic power saving</li> <li>• Indicator power saving</li> <li>• COCv4</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• Anti-DoS attack</li> <li>• Filtering based on MAC/IP/URL addresses</li> </ul>

## Huawei HG8245Q Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	70 mm x 285 mm x 174 mm	<b>System power supply</b>	11–14 V DC, 3 A
<b>Weight</b>	About 1000 g	<b>Static power consumption</b>	6.5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	26 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	2POTS+4GE+2.4G/5G Wi-Fi +2USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz		
Interface Parameters			
<b>GPON Port</b>	<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>		
<b>Ethernet Port</b>	<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> </ul>		

	<ul style="list-style-type: none"> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> </ul>
<b>POTS Port</b>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>USB Port</b>	<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>
<b>WLAN</b>	<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> </ul>
<b>Product Function</b>	

<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• IPTV video quality diagnosis (V300R015C10)</li> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• Call emulation, and circuit test and loop-line test</li> <li>• PPPoE/DHCP simulation testing</li> <li>• WLAN emulation</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage (V300R015C10)</li> <li>• SIP/H.248 auto-negotiation</li> <li>• Any port any service</li> <li>• Parental control (V300R015C00)</li> <li>• L2/L3(IPv4) forwarding: 1G uplink, 2G downlink</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing: Portal/802.1x authentication (V300R015C10)</li> <li>• SoftGRE-based sharing (V300R015C10)</li> <li>• Association of one account with two POTS ports</li> </ul>
<b>QoS</b>	<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> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• Dynamic power saving</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• SPI firewall</li> </ul>

<ul style="list-style-type: none"> <li>Indicator power saving</li> <li>Scheduled Wi-Fi shutdown</li> </ul> (V300R015C00)	<ul style="list-style-type: none"> <li>Filtering based on MAC/IP/URL addresses</li> </ul>
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## Huawei HN8055Q Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	238 mm x 190 mm x 26 mm (Without the base)	<b>System power supply</b>	12 V DC, 3 A
<b>Weight</b>	< 850 g	<b>Indicators</b>	4*GE+1*10GE+2.4G&5G Wi-Fi +2USB
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	< 34 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	4*GE+1*10GE+ 2POTS+2USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz		
Interface Parameters			
<b>XG-PON Port</b>	<ul style="list-style-type: none"> <li>Class N1/N2a</li> <li>Receiver sensitivity: -28dBm</li> <li>Wavelengths: US 1260 - 1280 nm, DS 1575-1580 nm</li> <li>WBF</li> <li>Flexible mapping between GEM Port and TCONT</li> <li>SN/Password/SN+Password/Bi-directional authentication based on OMCI</li> </ul>		



	<ul style="list-style-type: none"> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> <li>• 2.5G bps uplink, 10G bps downlink</li> </ul>
<b>Ethernet Port</b>	<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> <li>• MAC address learning</li> </ul>
<b>USB Port</b>	<ul style="list-style-type: none"> <li>• USB 3.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
<b>WLAN</b>	<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 Mbit/s(2.4G); 1300 Mbit/s(5G)</li> </ul>
<b>Product Function</b>	

<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• IPTV video quality diagnosis</li> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Wi-Fi emulation</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage</li> <li>• Any port any service</li> <li>• Parental control</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing</li> </ul>
		<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 proxy/snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Multicast services through Wi-Fi</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• COC V5</li> <li>• Dynamic power Saving</li> <li>• Scheduled Wi-Fi shutdown</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Filtering based on MAC/IP addresses</li> </ul>

## Huawei HN8245Q Specification

Device Parameters			
<b>Dimensions (H x W x D) (mm)</b>	238mm x 190mm x 26mm (Without the base)	<b>System power supply</b>	11–14 V DC, 3 A
<b>Weight</b>	< 1000 g	<b>Static power consumption</b>	6 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	30 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports</b>	2POTS+4GE+2.4G&5G Wi-Fi+2USB
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz		
Interface Parameters			
<b>XG-PON Port</b>	<ul style="list-style-type: none"> <li>• Class N1/N2a</li> <li>• Receiver sensitivity: -28dBm</li> <li>• Wavelengths: US 1260-1280nm, DS 1575- 1580nm</li> <li>• WBF</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• SN/Password/SN+Password/Bi-directional authentication based on OMCI</li> <li>• upstream and downstream FEC</li> <li>• SR-DBA and NSR-DBA</li> <li>• 2.5Gbps uplink, 10Gbps downlink</li> </ul>		
<b>Ethernet Port</b>	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> </ul>		

	<ul style="list-style-type: none"> <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> </ul>
<b>POTS Port</b>	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b, and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
<b>USB Port</b>	<ul style="list-style-type: none"> <li>• USB3.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
<b>WLAN</b>	<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> </ul>
<b>Product Function</b>	

<b>Smart O&amp;M</b>	<ul style="list-style-type: none"> <li>• IPTV video quality diagnosis</li> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• Call emulation, and circuit test and loop-line test</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Wi-Fi emulation</li> <li>• One-click diagnosis(Web)</li> </ul>	<b>Smart interconnection</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage</li> <li>• SIP/H.248 auto-negotiation</li> <li>• Any port any service</li> <li>• Parental control</li> </ul>
<b>Layer 3 Features</b>	<ul style="list-style-type: none"> <li>• PPPoE/Static IP/DHCP</li> <li>• NAT/NAPT</li> <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>	<b>Smart Service</b>	<ul style="list-style-type: none"> <li>• Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing</li> <li>• Association of one account with two POTS ports</li> </ul>
		<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 proxy snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Multicast services through Wi-Fi</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>	<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI/TR069</li> <li>• Dual-system software backup and rollback</li> </ul>
<b>Power Saving</b>	<ul style="list-style-type: none"> <li>• COC V5</li> <li>• Dynamic power saving</li> </ul>	<b>Security</b>	<ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Filtering based on MAC/IP addresses</li> </ul>

	<ul style="list-style-type: none"> <li>Scheduled Wi-Fi shutdown</li> </ul>		
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## Basic Ordering Information

SKU	Description
<a href="#">EG8010H</a>	Huawei EchoLife EG8010H GPON Terminal, 1 GE port
<a href="#">EG8020P</a>	Huawei EchoLife EG8020P ONT, 2GE PoE ports, 1 GPON port
<a href="#">EG8040F</a>	Huawei EchoLife EG8040F ONT, intelligent bridging-type ONT, 4FE
<a href="#">EG8040H</a>	Huawei EchoLife EG8040H ONT, intelligent bridging-type ONT, 4GE
<a href="#">EG8040H5</a>	Huawei EchoLife EG8040H5 ONT, intelligent bridging-type ONT, 4GE
<a href="#">EG8040P</a>	Huawei EchoLife EG8040P ONT, intelligent bridging-type ONT, 4GE PoE
<a href="#">EG8080P</a>	Huawei EchoLife EG8080P ONT, 8*GE (PoE and PoE+), 1*GPON/XG-PON/XGS-PON
<a href="#">EG8084P</a>	Huawei EchoLife EG8084P ONT, 8*GE, 1*GPON/XG-PON/XGS-PON
<a href="#">EG8084P-300G1</a>	Huawei EchoLife EG8084P Function Module
<a href="#">EG8084P-300H1</a>	Huawei EchoLife EG8084P Function Module
<a href="#">EG8120</a>	Huawei EchoLife EG8120 ONT, 1FE + 1GE + 1POTS
<a href="#">EG8120L</a>	Huawei EchoLife EG8120 ONT, 1POTS+1GE+1FE
<a href="#">EG8240H</a>	Huawei EchoLife EG8240H ONT, 4GE + 2POTS
<a href="#">EG8240H5</a>	Huawei EchoLife EG8240H5 ONT, 4GE + 2POTS
<a href="#">EG8240P</a>	Huawei EchoLife EG8240P ONT, 4*GE(PoE) + 2*POTS
<a href="#">EG8242H</a>	Huawei EchoLife EG8242H ONT, 4GE + 2POTS + CATV

<a href="#">EG8280P</a>	Huawei EchoLife EG8280P ONT, 8*GE (PoE and PoE+) + 2*POTS, 1*GPON/XG-PON/XGS-PON
<a href="#">HG8012H</a>	Huawei EchoLife HG8012H ONT, 1GE + 1CATV
<a href="#">HG8040H</a>	Huawei EchoLife HG8040H ONT, 4GE
<a href="#">HG8040P</a>	Huawei EchoLife HG8040P, intelligent P2P ONT, 4GE
<a href="#">HG8045A</a>	Huawei EchoLife HG8045A, intelligent routing-type ONT, 4FE+Wi-Fi
<a href="#">HG8045H</a>	Huawei EchoLife HG8045H, intelligent routing-type ONT, 4GE + Wi-Fi + USB
<a href="#">HG8050P</a>	Huawei EchoLife HG8050P, intelligent P2P ONT, NNI: GE optical port or GE electrical port, UNI: 4GE+1GE
<a href="#">HG8110F</a>	Huawei EchoLife HG8110F, intelligent bridging-type ONT, 1FE+1POTS (V3R015C00 and before); 1GE+1POTS(after V3R015C00)
<a href="#">HG8110H</a>	Huawei EchoLife HG8110H, intelligent bridging-type ONT, 1GE + 1POTS
<a href="#">HG8120F</a>	Huawei EchoLife HG8110F, intelligent bridging-type ONT, 2FE + 1POTS
<a href="#">HG8120H</a>	Huawei EchoLife HG8120H, intelligent routing-type ONT, 1POTS+1GE+1FE
<a href="#">HG8240F</a>	Huawei EchoLife HG8240F, intelligent bridging-type ONT, 4FE + 1POTS
<a href="#">HG8240H</a>	Huawei EchoLife HG8240H, intelligent bridging-type ONT, 4GE + 2POTS
<a href="#">HG8240S</a>	Huawei EchoLife HG8240S, intelligent bridging-type ONT, 4GE + 2POTS
<a href="#">HG8240u</a>	Huawei EchoLife HG8240u, intelligent bridging-type ONT, 2POTS+4GEv
<a href="#">HG8242H</a>	Huawei EchoLife HG8242H, intelligent bridging-type ONT, 4GE + 2POTS + CATV
<a href="#">HG8245A</a>	Huawei EchoLife HG8245A, intelligent bridging-type ONT, 2POTS + 4FE + Wi-Fi + 1USB
<a href="#">HG8245D</a>	Huawei EchoLife HG8245D, intelligent bridging-type ONT, 2POTS+4GE+2.4G/5G Wi-Fi+USB

<a href="#">HG8245H</a>	Huawei EchoLife HG8245H, intelligent bridging-type ONT, 2POTS + 4GE +2.4G Wi-Fi + 1USB
<a href="#">HG8245Q</a>	Huawei EchoLife HG8245Q, intelligent bridging-type ONT, 2POTS + 4GE + 2.4G/5G Wi-Fi+ 2USB
<a href="#">HG8245U</a>	Huawei EchoLife HG8245U, intelligent bridging-type ONT, 2POTS+4GE+2.4G/5G Wi-Fi+1USB
<a href="#">HG8247H</a>	Huawei EchoLife HG8247H, intelligent bridging-type ONT, 2POTS + 4GE + CATV + Wi-Fi + USB
<a href="#">HG8247U</a>	Huawei EchoLife HG8247U, intelligent bridging-type ONT, 4GE+2POTS+2.4G/5G Wi-Fi+1USB+1CATV
<a href="#">HN8245Q</a>	Huawei EchoLife HN8245Q, intelligent XG-PON routing-type ONT, XG-PON (SFP+ Optical Module), 2POTS+4GE+2.4G&5G Wi-Fi+2USB
<a href="#">HN8255Ws</a>	Huawei EchoLife HN8255Ws, intelligent XGS-PON routing-type ONT, XGS-PON (SFP+ Optical Module), 2 x POTS + 4 x GE + 1 x 10GE +2.4G&5G Wi-Fi + 2 x USB
<a href="#">LS2035V</a>	Huawei Smart Home Gateway LS2035V, NNI: GE (Electrical port), UNI: 3GE+2USB+2.4G, WiFi&5G WiFi+Zig-bee



## Where to Buy

**Want to buy this series of products? please contact:**

- Tel: +1-626-239-8066 (USA)/ +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: [sales@router-switch.com](mailto:sales@router-switch.com) (Sales Inquiries)

**Or visit: [Huawei ONT Products](#)**

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