

# EG8141A5 Datasheet

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## Overview

The Huawei EchoLife [EG8141A5](#) is a routing wide type ONT in the Huawei all-optical access solution. It uses the GPON technology to apply ultra-broadband access for users, and offer 1 GE port, 3 FE ports, 1 POTS port and 1 2.4G WiFi port. The high forwarding performance make sure the user experience of data and high quality HD video services, and offer customers with an perfect all-optical access solution.

## Product Detail

<b>GPON Port</b>	Class B+ Receiver sensitivity: -27 dBm Overload optical power: -8 dBm Wavelengths: US 1310 nm, DS 1490 nm Wavelength blocking filter (WBF) of G.984.5 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 Type B (single-homing & dual-homing)
<b>Ethernet Port</b>	Ethernet port-based VLAN tags and tag removal 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission QinQ VLAN Limit on the number of learned MAC addresses MAC address learning GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s FE: Auto-adaptive 10 Mbit/s, 100 Mbit/s
<b>POTS Port</b>	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)

<b>WLAN</b>	<p>IEEE 802.11 b/g/n</p> <p>2 x 2 MIMO</p> <p>Antenna gain: 5 dBi</p> <p>WMM</p> <p>Multiple SSIDs</p> <p>WPS</p> <p>Air interface rate: 300 Mbps</p>
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<b>Smart interconnection</b>	<p>Smart Wi-Fi coverage</p> <p>SIP/H.248 auto-negotiation</p> <p>Any port any service</p> <p>Parental control</p> <p>L2/L3(IPv4) forwarding: 1G uplink, 1.3G downlink</p>
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<b>Smart service</b>	<p>Smart Wi-Fi sharing:</p> <p>Portal/802.1x authentication</p> <p>SoftGRE-based sharing</p> <p>Scheduled Wi-Fi shutdown</p>
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<b>Smart O&amp;M</b>	<p>IPTV video quality diagnosis</p> <p>Rogue ONT detection and isolation from the OLT</p> <p>Call emulation, and circuit test and loop-line test</p> <p>PPPoE/DHCP simulation testing</p> <p>WLAN emulation</p> <p>eSight management</p>
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<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>
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<b>Multicast</b>	IGMP v2/v3 proxy/snooping MLD v1/v2 snooping
<b>QoS</b>	Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation
<b>Security</b>	SPI firewall Filtering based on MAC/IP/URL addresses
<b>Common O&amp;M</b>	OMCI/Web UI/TR069 Variable-length OMCI messages Dual-system software backup and rollback
<b>Power Saving</b>	Indicator power saving COC V5

## EG8141A5 Specification

<b>EG8141A5 Specification</b>	
<b>Dimensions (H x W x D)</b>	30 mm x 152 mm x 105 mm (without an external antenna and pads)
<b>Operating temperature</b>	0°C to +40°C
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)
<b>Power adapter input</b>	100–240 V AC, 50/60 Hz
<b>System power supply</b>	11–14 V DC, 1 A
<b>Static power consumption</b>	3.1 W
<b>Max power consumption</b>	7.15 W
<b>NNI</b>	GPON
<b>UNI</b>	1POTS + 1GE + 3FE + 2.4G Wi-Fi
<b>Optical Connector</b>	SC/APC
<b>Indicators</b>	POWER/PON/LOS/LAN/TEL/WLAN/WPS
<b>Installation mode</b>	On the desk, or on the wall
<b>Compliance certification</b>	CE/Wi-Fi

## Contact Us

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