

**OPTICAL TERMINAL  
NETWORK**



**BY FIBER SYSTEM**

**PRODUCT MANUAL**

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HUAWEI EG8143A5

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# Product Overview

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The Huawei EG8143A5 is a routing-type Optical Network Terminal (ONT), an integral part of Huawei's all-optical access solution, that uses Gigabit-capable Passive Optical Network (GPON) technology to implement ultra-broadband access for users. With high forwarding performance ensuring a consistent user experience for voice, data, and High Definition (HD) video services, and future-oriented service support capabilities, EG8143A5 helps enterprises construct the all-optical access solutions deployed on next generation campuses

# Main Characteristics

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- Connector: SC/APC
- Class B+
- Receiver sensitivity:  $-27$  dBm
- Overload optical power:  $-8$  dBm
- Type B single-homing
- Type B dual-homing (supported in Layer 2 forwarding)
- Multiple SSIDs
- WPS
- Air interface rate: 300 Mbit/s

- Ethernet port-based VLAN tags and tag removal
- 1:1 VLAN, N:1 VLAN, or VLAN transmission QinQ VLAN
- Limit on the number of learned MAC addresses
- MAC address learning
- IEEE 802.11 b/g/n (2.4G)
- 2 x 2 MIMO
- Antenna gain: 2 dBi
- WMM

# Technical Specifications

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<b>Parameters</b>	EchoLife EG8143A5
<b>Dimensions (H x W x D)</b>	34 x 175 x 115 mm
<b>Weight (Without power adapter)</b>	Approximately 235 g
<b>Operating Temperature</b>	0–40°C
<b>Operating Humidity</b>	5%–95% RH (non-condensing)
<b>Power Adapter Input</b>	100–240 V AC, 50/60 Hz
<b>UNI</b>	1 x GE, 3 x FE, 1 x POTS, 1 x Wi-Fi (2.4G), and 1 x CATV
<b>NNI</b>	1 x GPON
<b>Maximum Power Consumption*</b>	8.2 W
<b>Maximum PoE Output Power</b>	NA
<b>Surge Protection</b>	GE port: common mode 4 kV; differential mode 0.5 kV AC power supply: common mode 6 kV; differential mode 6 kV
<b>Installation Mode</b>	Desktop
<b>Compliance Certification</b>	CE



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