



## Huawei EG8145X6 | ONT | WiFi6, 1x GPON, 4x RJ45 1000Mb/s, 1x RJ11, 2x USB

CODE: EG8145X6



AB

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### Modern Huawei EG8145X6 with Wi-Fi 6

Huawei EG8145X6 ONT is a **dual band WIFI 6** terminal, 5G and 2.4G band, in 5G band it has IEEE 802.11 WIFI / n / ac / **AX**, and in 2.4G band it has IEEE 802.11 b / g / AX. It has **2 external antennas and is MIMO 2 \* 2** in both bands.

EchoLife EG series optical network terminals (ONTs) are utility devices in **Huawei's FTTH (fiber to housing)** solutions; they provide ultra-wideband access for home users or small businesses (SOHOs) that use GPON technology.

### Wide range of functions

The **ONT EG8145X6** of the EchoLife EG Series features POTS ports and **Gigabit Ethernet ports** with auto-negotiation for high transmission performance. Optimize services with future-proofing with Huawei's EchoLife HG ONT series, which includes three main categories: bridge, **voice bridge**, and **gateway**.

### A smart device is already in your home!

**Huawei EG8145X6** allows you to schedule Wi-Fi power on or off, supports portal/802.1X authentication and SoftGRE-based resource sharing, which greatly enhances the security of your data.

## SPECIFICATION

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Features / filters	
Number of LAN ports	4x 10/100/1000BaseTX (RJ45)
Number of WAN ports	1x RJ11
PON standard	GPON
Wireless network standards	IEEE 802.11ax
USB port	2x USB
VoIP ports	1x POTS

Basic general data	
Manufacturer	Huawei
Model	EG8145X6
Type	ONT GPON with Wi-Fi 6
Interface parameters	
GPON port	Class B Receiver sensitivity: -27 dBm Optical power at overload: -8 dBm Wavelength: US 1310 nm, DS 1490 nm Wavelength Blocking Filter (WBF) G.984.5 Flexible mapping between GEM Port and TCONT GPON: SN or password authentication compliant as defined in G.984.3 Bidirectional FEC SR-DBA and NSR-DBA Type B (single-homing)
POTS port	Maximum REN value: 4 Encoding/decoding G.711A/μ, G.729a/b and G.722 Fax mode T.30/T.38/G.711 DTMF Emergency call (with SIP protocol)
USB port	USB2.0 FTP based network storage SAMBA based file/print sharing DLNA function
WLAN	IEEE 802.11 b/g/n/ax (2.4G) IEEE 802.11 a/n/ac/ax (5G) 2 × 2 MIMO (2.4G) 2 × 2 MIMO (5G) Antenna Gain: 5 dBi WMM/Multiple SSID/WPS 2.4G
Ethernet port	Ethernet port-based VLAN tagging and tag removal 1:1 VLAN, N:1 VLAN or transparent broadcast VLAN QinQ VLAN MAC address learning limit MAC address learning Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
Product features	
Smart connection	Smart connection Intelligent Wi-Fi coverage SIP/H.248 auto-negotiation Any port, any service Parental control

Intelligent Service	Scheduled Wi-Fi network shutdown Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing
Intelligent operation and maintenance	IPTV video quality diagnostics eMDI Detection and isolation of rogue ONT from OLT Connection emulation, circuit test and loop line test PPPoE/DHCP simulation testing WLAN emulation
Multicast	IGMP v2/v3 proxy/snooping MLD v1/v2 snooping
Joint operation and maintenance	OMCI/Web UI/TR069 Variable-length OMCI messages Backing up and restoring two-system software
Energy saving	Energy saving indicator COC V7
Security	SPI Firewall Filtering based on MAC/IP/URL addresses
QoS	Ethernet port speed limit 802.1p Priority SP/WRR/SP WRR Broadcast packet rate limiting
Layer 3 functions	PPPoE/Static IP/DHCP NAT/NAPT Port forwarding ALG, UPnP DDNS/ DNS Server/ DNS Client Dual stack IPv6/IPv4, DSLite and IPv6 SPI Static/Default Routing Multiple services on one WAN port
<b>Device parameters</b>	
Memory	128M Flash, 256M RAM
Home network function	Visualization of home network management User-defined bandwidth allocation Wi-Fi Optimization and Wi-Fi Roaming Wi-Fi Network Operation and Maintenance Intelligent Identification and Interference Protection
Maximum power consumption	18 W
Static energy consumption	6 W
Power supply input	100-240 V AC, 50/60 Hz
System power supply	11-14 V DC, 1.5 A
Operating temperature	0°C to 40°C
Operating humidity	5% RH to 95% RH (noncondensing)
Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS
Weight	Approximately 372 g

Dimensions (H x W x D) (without external antenna and pads)	35 mm x 195 mm x 125 mm
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