

Overview

The Huawei EG8010Hv6 is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology. It provides 1 GE port. The high-performance forwarding capability ensures the service experience of data and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar EG8010Hv6
Dimensions (H x W x D)	26 mm x 69 mm x 83 mm
Weight	About 72 g
Operating Temperature	0°C to 40°C
Operating Humidity	5%–95% RH, non-condensing
Power Supply of The Entire System	100–240 V AC, 50/60 Hz
System Power Supply	11–14 V DC, 1 A
Static Power Consumption	2.06 W
Maximum Power Consumption	2.5 W
Network-side Port	GPON
User-side Port	1 GE

Figure 1 shows the appearance of OptiXstar EG8010Hv6.





Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Wavelengths: US 1310 nm, DS 1490 nm • Wavelength blocking filter (WBF) • 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)
Ethernet Port	<ul style="list-style-type: none"> • 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 • Transparent transmission of IPv6 packets at Layer 2

Product Functions

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





- Fast leave
- 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 OptiXstar EG8010Hv6?

Contact us now via info@hi-network.com.

Specification

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Static Power Consumption	2.06 W
Maximum Power Consumption	2.5 W
Network-side Port	GPON
User-side Port	1 GE
Optical Connector	SC/APC
Indicators	POWER/PON/LOS/LAN
GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Wavelengths: US 1310 nm, DS 1490 nm • Wavelength blocking filter (WBF) • 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)
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- MAC address learning
- Transparent transmission of IPv6 packets at Layer 2

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