Overview

The Huawei OptiXstar EG8140H5 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.

The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

● Smart interconnection

● Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar EG8140H5
Dimensions (W x D x H)	30 mm x 168 mm x 115 mm (without pads)
Weight	About 230 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50–60 Hz
System Power Supply	12 V DC, 1 A
Static Power Consumption	3.5 W
Maximum Power Consumption	7 W
NNI	GPON
UNI	1xPOTS + 4xGE
Indicators	Power/PON/LOS/LAN/TEL
Memory	128 MB Flash, 128 MB RAM

Figure 1 shows the appearance of OptiXstar EG8140H5.

Product Details

Port Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Overload optical power: -8 dBm ● Wavelengths: US 1310nm, DS 1490nm ● 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)
Ethernet Port	● Complying with IEEE 802.3 ● 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 ● Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
POTS Port	● Maximum ringer equivalence number (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)

Function List

Smart Interconnection	● SIP/H.248 autonegotiation ● Any port any service ● Parental control
Smart O&M	● IPTV video quality diagnosis ● eMDI ● Rogue ONT detection and isolation from the OLT ● Call emulation, and circuit test and loop-line test ● PPPoE/DHCP simulation testing
Layer 3 Features	● PPPoE/Static IP/DHCP ● NAT/NAPT ● Port forwarding ● ALG, UPnP ● DDNS/DNS server/DNS client ● IPv6/IPv4 dual stack, and DS-Lite ● Static/Default routes ● Multiple services on one WAN port
Security	● SPI firewall ● Filtering based on MAC/IP/URL addresses
Multicast	● IGMP v2/v3 proxy/snooping ● MLD v1/v2 snooping
Common O&M	● OMCI/Web UI/TR069 ● Variable-length OMCI messages ● Dual-system software backup and rollback
Power Saving	Indicator power saving
QoS	● Ethernet port rate limitation ● 802.1p priority ● SP/WRR/SP+WRR ● Broadcast packet rate limitation

Get More Information

Do you have any question about the OptiXstar EG8140H5?

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

Specification

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Optical Connector	SC/APC
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