

Huawei OptiXstar EG8140H5 Datasheet 01

Huawei OptiXstar EG8140H5, a routing-type ONT

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



Device Parameters

Dimensions (H x W x D) (without pads)	30 mm x 168 mm x 115 mm	System power supply	12 V DC, 1 A
Weight	About 230 g	Static power consumption	3.5 W
Operating temperature	0°C to 40°C	Maximum power consumption	7 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON
Power adapter input	100–240 V AC, 50/60 Hz	UNI	1xPOTS + 4xGE

Indicators	Power/PON/LOS/LAN/TEL	Optical Connector	SC/APC
Memory	128 MB Flash, 128 MB RAM		

Interface Parameters

<p>GPON port</p> <ul style="list-style-type: none"> • 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) 	<p>Ethernet port</p> <ul style="list-style-type: none"> • 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 <p>POTS port</p> <ul style="list-style-type: none"> • 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)
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Product Function

<p>Smart interconnection</p> <ul style="list-style-type: none"> • SIP/H.248 auto-negotiation • Any port any service • Parental control 	<p>Smart O&M</p> <ul style="list-style-type: none"> • 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 	<p>Layer 3 features</p> <ul style="list-style-type: none"> • 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 	<p>Security</p> <ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
<p>Multicast</p> <ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping 	<p>Common O&M</p> <ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback 	<p>Power saving</p> <p>Indicator power saving</p>	<p>QoS</p> <ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation

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