

Huawei OptiXstar EG8040H6 Datasheet

Huawei OptiXstar EG8040H6, a bridging-type ONT

Overview

The Huawei OptiXstar EG8040H6 is a bridging-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 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
- Multi-network convergence, supporting port-level hard-isolated. Different ports can be securely connected to multiple networks through the hard-isolated technology.



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 220 g	Static power consumption	2.8 W
Operating temperature	0°C to 40°C	Maximum power consumption	4.7 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON

Power adapter input	100–240 V AC, 50/60 Hz	UNI	4xGE
Indicators	Power/PON/LOS/LAN	Optical Connector	SC/APC
Memory	128 MB Flash, 128 MB RAM		

Interface Parameters

GPON port	Ethernet port
<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm • Overload optical power: -8 dBm • Wavelengths: 1310nm upstream, 1490nm downstream • 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) 	<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 • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s


Product Function

Smart interconnection	Smart O&M	Security
<ul style="list-style-type: none"> • Any port any service • Parental control 	<ul style="list-style-type: none"> • IPTV video quality diagnosis • eMDI • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing 	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses • Port-Level Hard-Isolated
Multicast	Common O&M	QoS
<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping 	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback 	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Power saving		
Indicator power saving		

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Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base Bantian,
Longgang Shenzhen 518129 People's
Republic of China

Website: <http://www.huawei.com>