

# Huawei OptiXstar EG8040H6 Datasheet 01

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



## Device Parameters

<b>Dimensions (H x W x D) (without pads)</b>	30 mm x 168 mm x 115 mm	<b>System power supply</b>	12 V DC, 1 A
<b>Weight</b>	About 220 g	<b>Static power consumption</b>	2.8 W
<b>Operating temperature</b>	0°C to 40°C	<b>Maximum power consumption</b>	4.7 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>NNI</b>	GPON

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

## Interface Parameters

<b>GPON port</b>	<b>Ethernet port</b>
<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm ~ -29dBm</li> <li>• Overload optical power: -8 dBm</li> <li>• Wavelengths: 1310nm upstream, 1490nm downstream</li> <li>• Wavelength blocking filter (WBF) of G.984.5</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> <li>• Type B (single-homing &amp; dual-homing)</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s</li> </ul>

## Product Function


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

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