

Huawei OptiXstar EG8010Hv6-10 Datasheet 01

Huawei EG8010Hv6-10, a bridging-type ONT

Overview

The Huawei OptiXstar EG8010Hv6-10 is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology. It provides one 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.

- Smart service
- Smart interconnection
- Smart O&M



Device Parameters

Dimensions (H x W x D) (without pads)	26 mm x 69 mm x 83 mm	System power supply	12 V DC, 1 A
--	-----------------------	----------------------------	--------------

Weight	About 80g	Static power consumption	2W
Operating temperature	0°C to 40°C	Maximum power consumption	2.1 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON
Power adapter input	100–240 V AC, 50/60 Hz	UNI	1xGE
Optical Connector	SC/APC	Indicators	POWER/PON/LOS/LAN
Memory	128MB flash, 128MB RAM	-	-

Interface Parameters

GPON port	Ethernet port
<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Wavelengths: 1310 nmupstream, 1490 nmdownstream • 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 	<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 Function

Smart O&M	Power saving	QoS	Security
<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing 	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state • PON power reduction 	<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 	<ul style="list-style-type: none"> • MAC address filtering
Common O&M	Multicast		
<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 	<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 		

Copyright © Huawei Technologies Co., Ltd. 2022. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

 HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

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

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