

OptiXstar B650G-8E8P3W Datasheet

Date: 2024-06-03

Product Overview

The Huawei OptiXstar B650G-8E8P3W products are gateway-type ONU devices designed for enterprise private lines, enterprise campuses or video backhaul scenarios.

The B650G-8E8P3W can provide VXLAN and IPSec inbound cloud lines, and also provide users with wireless office, voice, HD video and other services.

The B650G-8E8P3W can work with the NMS to implement remote fault diagnosis, quick service provisioning, and automatic configuration. It can be placed on a desktop, mounted on a wall, or installed in a 19 inch cabinet and network box to meet the requirements of different scenarios.



The actual product appearance prevails.

Product Highlights

- Abundant interfaces: GE/POTS/Wi-Fi/USB
- Rich services: IPSec VPN, VxLAN tunnel, flexible cloudification

Technical Specifications

Dimensions (WxDxH)	250 mm×170 mm×43.6 mm	UNI	8xGE + 8xPOTS + 1xUSB + 2.4 GHz & 5 GHz Wi-Fi 6
Weight	About 1.4 kg	Typical power consumption	11 W
Operating temperature	-20°C to +55°C	Static powerconsu mption	8 W
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum power consumptio n	29 W
Atmospheric pressure(Altitude)	70kPa to 106kPa(≤5000m)	Maximum frame length	9216 bytes
Power adapter input	90 - 270 V AC, 50/60 Hz	Protection rating	IP20
System power supply	11 - 14 V DC, 2.5 A	Installation mode	Support desktop installation, wall mounting, 19 inch cabinet or network box installation.
NNI	• GPON	-	-

Port Parameters

OPTICA GI	GPONPort type: SC/UPC;Class B+;	LAN Ports	 RJ-45 connector Auto ports speed(10/100/1000 Mbit/s) Complying with IEEE802.3
	 Receiver sensitivity: -27dBm; Overload optical power: -8dBm; Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s Type B Single-Homing Protection Type B Dual-Homing Protection 	Wi-Fi Parameter	 SIP/H.248 G.711A/u,G.729 T.38 and transparent transmission mode Dual-homing IEEE 802.11 b/g/n/ax (2.4G) IEEE 802.11 a/n/ac/ax (5G) 2x2 MIMO (2.4G/5G) Antenna gain: 5dBi(2.4G/5G) Multiple SSIDs WPS Air interface rate: 574 Mbit/s(2.4G); 2402 Mbit/s(5G) Wi-Fi Mesh Management
		USB Port	USB3.0

Function List

 Smart O&M OMCI/Web UI/TR069 Call emulation, and circuit test and loop-line test PPPoE/DHCP simulation testing 	 Layer 3 Features PPPOE client/static IP address/DHCP server /DHCP Client IPv6/DHCPv6 Server/DHCPv6 Client DDNS/DNS Static route NAT/NAPT/static one-to-one address translation DMZ/Port Mapping L2TP L2TP ALG/UPnP/ARP VXLAN/IPsec tunnel 	 QoS Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation
Layer 2 Management Virtual local area network (VLAN) management MAC bridge management Ringcheck DHCP Option82 PITP BPDU transparent transmission	 Multicast IGMP v2/v3 snooping IGMP proxy MLDv1/MLDv2 snooping Multicast service emulation GPON interoperation multicast 	Security SPI firewall IPv4/IPv6 firewall Anti-DoS attack MAC/IP/URL address filtering Static MAC addresses binding

Power Adapter

Specification Name	Power Adapter		
Appearance			
Dimensions	110 mm (L) × 55 mm (W) × 31.2 mm (H)		
Power parameter	Input voltage: 100 V ~ 240V AC, 50/60 Hz Rated output voltage/current: 12 V DC/2.5 A		
Connector type	Input: C8 Output: DC plug, tuning fork		
Power	30 W		
Operating temperature	-40°C to +55°C		
Output power cable	Gauge: 20 AWG Length: 1.5 m		

Copyright © Huawei Technologies Co., Ltd. 2024. 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

WHUAWEI 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:www.huawei.com