OptiXstar B850G-8E8P3W3 Datasheet

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Product Overview

The Huawei OptiXstar B850G-8E8P3W3 products re gateway-type ONU devices designed for enterprise private lines, enterprise campuses or video backhaul scenarios.

The B850G-8E8P3W3 can provide VXLAN and IPSec inbound cloud lines, and also provide users with wireless office, voice, HD video and other services.

The B850G-8E8P3W3 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.

📖 **NOTE**

The actual product appearance prevails.

Product Highlights

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

Technical Specifications

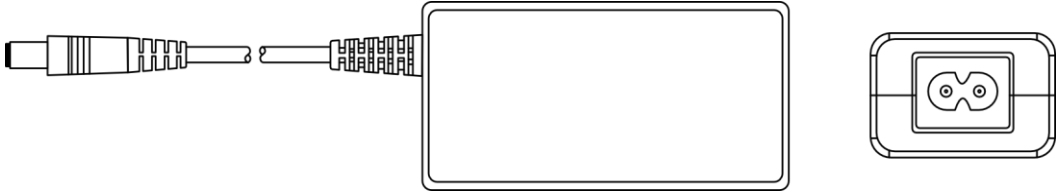|			
Dimensions (WxDxH)	250 mm×170 mm×43.6 mm	**UNI**	8xGE + 8xPOTS + 1xUSB + 2.4 GHz & 5 GHz Wi-Fi 6
Weight	About 1.4 kg	**Typical power consumption**	14 W
Operating temperature	-20°C to +55°C	**Static power consumption**	8 W
Operating humidity	5%-95% RH (non-condensing)	**Maximum power consumption**	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	11-14V DC, 2.5 A	**Installation mode**	Support desktop installation, wall mounting, 19 inch cabinet or network box installation.
NNI	• XGS-PON	**-**	-

Port Parameters

OPTICAL	XGS-PON • Class N1/N2; • Receiver sensitivity: -28 dBm; • Overload optical power: -9 dBm; • Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s • Type B Single-Homing protection • Type B Dual-Homing Protection	**LAN Ports**	• RJ-45 connector • Auto ports speed(10/100/1000 Mbit/s) • Complying with IEEE802.3
		TEL Ports	• SIP/H.248 • G.711A/u,G.729 • T.38 and transparent transmission mode • Dual-homing
		Wi-Fi Parameter	• IEEE 802.11 b/g/n/ax (2.4G) • IEEE 802.11 a/n/ac/ax (5G) • 2x2 MIMO (2.4G/5G) • Antenna gain: 5 dBi(2.4G/5G) • Multiple SSIDs • WPS • Air interface rate: 574 Mbit/s(2.4G); 2402 Mbit/s(5G)
		USB Port	USB3.0

Function List

Smart O&M	Layer 3 Features	QoS
- OMCI/Web UI/TR069 - Call emulation, and circuit test and loop-line test - PPPoE/DHCP simulation testing	- 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	- Ethernet port rate limitation 802.1p priority - SP/WRR/SP+WRR - Broadcast packet rate limitation
Layer 2 Management	**Multicast**	**Security**
- Virtual local area network (VLAN) management - MAC bridge management - Ringcheck - DHCP Option82 - PITP - BPDU transparent transmission	- IGMP v2/v3 snooping - IGMP proxy - MLDv1/MLDv2 snooping - Multicast service emulation - GPON interoperation multicast	- SPI firewall - IPv4/IPv6 firewall - Anti-DoS attack - MAC/IP/URL address filtering - Static MAC addresses binding

30W 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

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