

OptiXstar B850G-8E8P3W3 Datasheet

Date: 2024-06-03

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	<ul style="list-style-type: none"> XGS-PON 	-	-

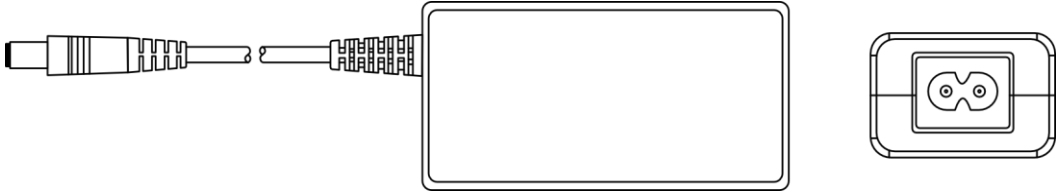
Port Parameters

OPTICAL	XGS-PON <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> RJ-45 connector Auto ports speed(10/100/1000 Mbit/s) Complying with IEEE802.3
		TEL Ports	<ul style="list-style-type: none"> SIP/H.248 G.711A/u,G.729 T.38 and transparent transmission mode Dual-homing
		Wi-Fi Parameter	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing 	Layer 3 Features <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Layer 2 Management <ul style="list-style-type: none"> • Virtual local area network (VLAN) management • MAC bridge management • Ringcheck • DHCP Option82 • PITP • BPDU transparent transmission 	Multicast <ul style="list-style-type: none"> • IGMP v2/v3 snooping • IGMP proxy • MLDv1/MLDv2 snooping • Multicast service emulation • GPON interoperation multicast 	Security <ul style="list-style-type: none"> • 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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