

OptiXstar B850 V100R020C00 Datasheet 01

BusinessPON Enterprise-Level Routing Gateway ONU

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Product Overview

The Huawei OptiXstar B850 product is gateway-type ONU device designed for enterprise private lines, enterprise campuses or video backhaul scenarios. The B850 can provide VXLAN and IPSec inbound cloud lines, and also provide users with wireless office, voice, HD video and other services. The B850 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.



D NOTE

The actual product appearance prevails.

Product Highlights

- Flexible uplink: XGS-PON, XG-PON
- Abundant interfaces: GE/POTS/Wi-Fi/USB, supporting 8E+8P configurations
- Rich services: IPSec VPN, VXLAN tunnel, flexible cloudification

Technical Specifications

Dimensions (WxDxH)	250 mm×180 mm×43.6 mm	UNI	8*GE + 8*POTS + 1*USB + 2.4G&5G Wi-Fi 6
Weight	About 1.8 kg	Typical power consumptio n	14W
Operating temperature	-20°C to +55°C	Static power consumptio n	8W
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum power consumptio n	28W
Atmospheric pressure(Altitude)	70kPa to 106kPa(≤5000m)	Maximum frame length	9216 bytes
Power adapter input	170 - 240 V AC,50/60 Hz	Surge protection specificatio ns	GE: common mode 6 kV; differential mode 0.5 kV.
System power supply	11 -14V DC, 2.5 A	Protection rating	IP20
NNI	 1*XGS-PON /1* XG-PON NOTE Please check the nameplate for the uplink mode that the product actually supports. GE port (the first GE port on the user side can be used as a WAN port) 	Installation mode	Support desktop installation, wall mounting, 19 inch cabinet or network box installation.

Port Parameters

OPTICA L	 1*XGS-PON /1* XG-PON Port type: SC/UPC XGS-PON: Class N1/N2; 	LAN Ports	 RJ-45 connector Auto ports speed(10/100/1000 Mbit/s) Complying with IEEE802.3
	 Receiver sensitivity: -28dBm; Overload optical power: -9dBm; XG-PON: Class N1/N2a; Receiver sensitivity: -28dBm; 	TEL Ports	 SIP/H.248 G.711A/u,G.722,G.729a/b T.38 and transparent transmission mode Dual-homing
	Overload optical power: -8dBm;Transmission rate:	Wi-Fi Parameter	 IEEE 802.11 b/g/n/ax (2.4G) IEEE 802.11 a/n/ac/ax (5G)

 XGS-PON: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s XG-PON: upstream 2.488Gbit/s, downstream 9.953Gbit/s Type B protection 		 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)
	USB Port	• USB3.0

Function List

 Smart O&M OMCI/OAM/Web UI/TR069 Call emulation, and circuit test and loop-line test PPPoE/DHCP simulation testing ETH OAM* *The ETH OAM feature is supported in LAN 1-LAN 4, and LAN5-LAN8 are not supported. 	 Layer 3 Features PPPoE/StaticIP/DHCP IPv6 DDNS/DNS Static routes NAPT/Static one-to-one address translation DMZ/Port Mappping/Port Tigger ALG/UPnP/ARP 	 QoS Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation 	 SPI firewall DoS antiattacks MAC/IP/URL addresses Static MAC address binding
 Layer 2 Management DHCP Option82 PITP BPDU transparent transmission 	 Multicast IGMP v2/v3 snooping IGMP proxy MLDv1/MLDv2 snooping 	VPN IPSec VPN L2TP VPN 	VXLAN IPv4 package 10 VNIs

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