



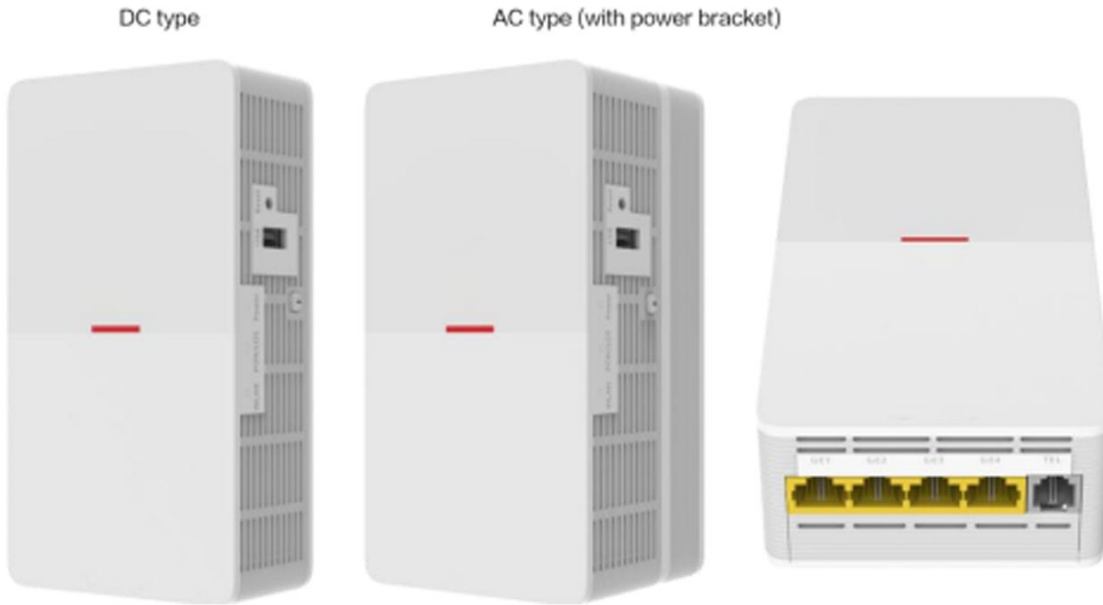
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GLORY

OptiXstar W826P-G

Wi-Fi 6 ONU for Campus

10G Optical Access

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Product Overview

The OptiXstar W826P-G is an XGS-PON 10G upstream panel-type Wi-Fi 6 ONU that provides four GE electrical ports, one POTS port, one USB Port, and 2.4 GHz, 5 GHz Wi-Fi 6. It can be used for wired access, voice access, and Wi-Fi coverage in hotels, apartments, schools, enterprises, and governments.

Product Specifications

Device Parameters and Product Function			
Dimensions (H × W × D)	<ul style="list-style-type: none"> DC type: 160 mm × 86 mm × 45 mm AC type: 160 mm × 86 mm × 70 mm (including the power bracket) 	Weight (without adapter)	About 354g
Power supply to the entire system	<ul style="list-style-type: none"> Adapter: 12VDC, 2A PoE: 48 VDC, 0.5 A <p>NOTE</p> <ul style="list-style-type: none"> The copper cable in the optical/electrical composite cable uses the PoE protocol to supply power and does not transmit data. 	Rated input range of the power adapter (AC configuration)	100 - 240VAC, 50/60 Hz
Power consumption	<ul style="list-style-type: none"> Static power consumption: 6.5W Maximum Power Consumption: 18.5W 	Buttons	Reset button



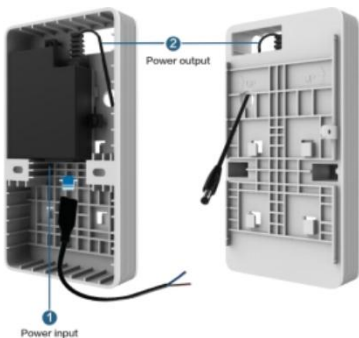
Optical Fiber Interface	SC/UPC	Antenna Type	Built-in antenna
Storage	256MB FLASH, 1GB RAM	Installation Mode	<ul style="list-style-type: none"> 1 DC type: indoor junction box (86 mm) or wall-mounted installation 1 AC type: indoor junction box (86 mm) installation
Operating Ambient Temperature	0°C - 40°C	Operating ambient humidity	5% RH to 95% RH, non-condensing
Degree of Protection	IP20	Surge Protection Specifications	<ul style="list-style-type: none"> PoF: 4 kV in common mode, 2 kV in differential mode LAN: 2.5kV in common mode, 0.5kV in differential mode POTS: 2.5kV in common mode AC power supply: 6 kV in common mode and 4 kV in differential mode
Interface	<ul style="list-style-type: none"> Network side: XGS-PON User side: 4*GE+1*POTS+2.4GHz & 5GHz Wi-Fi 6 	Indicators	Power/PON and LOS indicator/WLAN/GE1-GE4/TEL
Certification	<ul style="list-style-type: none"> 1 SRRC/CQC/MIIT Network Access 1 CE/RCM 1 Wi-Fi Alliance 		
Wi-Fi Specification			
Support Protocols	<ul style="list-style-type: none"> IEEE 802.11b/g/n/ax(2.4GHz) IEEE 802.11a/n/ac/ax(5GHz) 	MIMO	2×2 MIMO (2.4GHz&5GHz)2dBi
Antenna Gain	2dBi	Air interface rate	<ul style="list-style-type: none"> 574 Mbps (2.4GHz) 2402 Mbps (5GHz)
Maximum number of SSIDs on the radio	4	Maximum Number of Users on the radio	A maximum of 64 per frequency band
Maximum Transmit power on the radio	2.4GHz: 23dBm 5GHz: 28dBm	Others	1024-QAM, 160MHz bandwidth WPA3, DL MU MIMO

Interface Parameter		
XGS-PON port	Gigabit Ethernet port	
<ul style="list-style-type: none"> Interface Type: Hybrid SC (compatible with SC/UPC) Transmission rate: 9.953 Gbit/s in the downlink and 9.953 Gbit/s in the uplink Receiver sensitivity: -28dBm Overload optical power: -9dBm Type B (single-homing&dual-homing) NOTE <ul style="list-style-type: none"> If the optical power is greater than the overload optical power, the device may be damaged. In this case, connect an optical attenuator. 	<ul style="list-style-type: none"> MAC address limit MAC address learning Gigabit Ethernet ports support 10 Mbit/s, 100 Mbit/s, and 1000 Mbit/s auto-sensing 	
	POTS port	<ul style="list-style-type: none"> 1 Maximum REN: 4 1 G.711A/μ, G.722 and G.729a/b encoding/decoding 1 T.30/T.38/G.711 fax mode 1 DTMF 1 Emergency calls (with the SIP protocol)
	USB Port	
	usb	

Product Function

Network Management			Layer 3 Features
<ul style="list-style-type: none"> · Visualized management · User-defined bandwidth allocation · Wi-Fi Optimization & Wi-Fi Roaming · Wi-Fi O&M · Intelligent identification and anti-jamming · Tunnel data forwarding using control and provisioning of wireless access points (CAPWAP) in FIT mode · Centralized Wi-Fi 6 ONU management and maintenance using the built-in AC of an OLT in FIT mode 			<ul style="list-style-type: none"> · PPPoE/Static IP/DHCP · NAT/NAPT · Port forwarding · ALG,UPnP · DDNS/DNS server/DNS client · IPv6/IPv4 dual stack, DS- Lite and IPv6 SPI · Static/Default routes · Multiple services on one WAN port
Smart Service	Smart Interconnection	Smart O&M	
<ul style="list-style-type: none"> · 1 Anti-squatter · 1 Scheduled Wi-Fi shutdown · 1 Smart Wi-Fi sharing; Portal/802.1x authentication; SoftRE-based sharing 	<ul style="list-style-type: none"> · 1 Smart Wi-Fi coverage · 1 SIP/H.248 auto-negotiation · 1 Any port any service 	<ul style="list-style-type: none"> · 1 IPTV video quality diagnosis (VMOS&eMDI) · 1 Rogue ONT detection and isolation from the OLT · 1 Call emulation, and circuit test and loop-line test · 1 PPPoE/DHCP simulation testing · 1 One-click diagnosis (Web) 	
Multicast	QoS	Common O&M	Security
<ul style="list-style-type: none"> · 1 IGMP v2/v3 snooping · 1 IGMP v2/v3 proxy · 1 MLD v1/v2 snooping 	<ul style="list-style-type: none"> · 1 Priority-based data processing and forwarding based on the mapping and priority scheduling rules of Wi-Fi Multimedia (WMM) standards · 1 Supports WMM power saving mode and Airtime scheduling · 1 Supports Airtime scheduling 	<ul style="list-style-type: none"> · 1 OMCI/WebUI/TR069 · 1 Variable-length OMCI messages · 1 Dual-system software backup and rollback 	<ul style="list-style-type: none"> · 1 SPI firewall · 1 Anti-DoS attack · 1 Filtering based on MAC/IP/URL addresses · 1 ONU Port-Level Hard-Isolated
WLAN Security			Power Saving
<ul style="list-style-type: none"> · 1 Open system authentication · 1 WEP authentication/encryption is supported. The encryption word length is 64-bit or 128-bit · 1 WPA2-PSK authentication/encryption (WPA2 Personal Edition) · 1 L connected - 802.1 X authentication/encryption (connected Enterprise Edition) · 1 WPA3-SAE authentication and encryption (WPA3 personal edition) · 1 L WPA3 802.1 X authentication/encryption (WPA3 Enterprise Edition) · 1 Supports WPA-WPA2 hybrid authentication · 1 Supports WPA2-WPA3 hybrid authentication · 1 Supports 802.1X authentication and MAC address authentication · 1 Supports Wi-Fi management frame encryption 			<ul style="list-style-type: none"> · 1 Indicator power saving · 1 COC V8

Power Bracket

Items	Specification
Power bracket appearance (including the adapter)	
Power Parameters	<ul style="list-style-type: none"> · 1-channel power input: 100–240 VAC, 50/60 Hz · 1-channel power output: 12 VDC, 2 A
Power	24 W
Dimensions of Power Bracket (H × W × D)	160 mm × 86 mm × 25 mm (excluding screw holes)



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