

W626E-10 Datasheet

Wi-Fi 6 ONU for Campus Gigabit Optical Access

Overview

Huawei W626E-10 is a Wi-Fi 6 ONU for campus gigabit optical access. It provides 4 GE ports, 1 POTS port, 1 USB port, and 2.4GHz&5GHz Wi-Fi 6 function. Huawei W626E-10 implements ultra-broadband access for users in campus networking scenarios such as hotels, dormitories, and offices. Its high-performance forwarding capability effectively ensures voice, wired data, wireless Wi-Fi, and HD video service experience. Provides high-speed and simple network access experience for customers.

- Installed in a junction box (86 mm) or on a wall with fall-proof design
- Next generation Wi-Fi 6 technology
- FIT/FAT management mode
- Smart service
- Smart interconnection
- Smart O&M
- Multi-network convergence, supporting ONU port-level hard-isolated. Different ports of an ONU can be securely connected to multiple networks through the hard-isolated technology.



Device Parameters

Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	4xGE+1xPOTS+2.4G/5G Wi-Fi 6+1xUSB2.0
Power adapter input	100–240 V AC, 50/60 Hz	Optical connector	SC/APC
System power supply	12 V DC, 1.5 A	Indicators	Power/PON/LOS/LAN/TEL/USB/W LAN/WPS
Static power consumption	5.5 W	Weight	About 430 g
Maximum power consumption	17 W	Antenna	Built-in antenna
Dimensions (H x W x D)	200 mm x 165 mm x 36 mm (without bracket)	Installation mode	Indoor junction box (86 mm) or wall-mounted installation
Memory	128 MB Flash, 256 MB RAM	Certification	CE/Wi-Fi Alliance
Surge Protection Specifications	<ul style="list-style-type: none"> AC power supply: 6 kV in common mode and 4 kV in differential mode ETH: common mode 2.5 kV POTS: common mode: 2.5 kV 		

Interface Parameters

GPON port	POTS port
<ul style="list-style-type: none"> Class B+ Receiver sensitivity: -27dBm Overload optical power: -8 dBm Wavelengths: 1310nm upstream, 1490 nm downstream Wavelength blocking filter (WBF) of G.984.5 Flexible mapping between GEM Port and TCONU Authentication mode: Password Bi-directional FEC SR-DBA and NSR-DBA Type B (single-homing&dual-homing) 	<ul style="list-style-type: none"> Maximum ringer equivalence number (REN): 4 G.711A/μ, G.729a/b and G.722 encoding/decoding T.30/T.38/G.711 fax mode DTMF Emergency calls (with the SIP protocol)
	USB port
	<ul style="list-style-type: none"> USB2.0 FTP-based network storage File/Print sharing based on SAMBA DLNA function
WLAN	Ethernet port
<ul style="list-style-type: none"> IEEE 802.11 b/g/n/ax (2.4GHz) IEEE 802.11 a/n/ac/ax (5GHz) 2 × 2 MIMO (2.4GHz&5GHz) Antenna gain: 2 dBi 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: 27dBm(2.4GHz), 27dBm(5GHz) WMM (Wi-Fi Multi Media), Multiple SSIDs, WPS 	<ul style="list-style-type: none"> Ethernet port-based VLAN tags and tag removal 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission QinQ VLAN Limit on the number of learned MAC addresses MAC address learning Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s

<ul style="list-style-type: none"> • 2.4GHz&5GHz concurrent • Air interface rate: 574 Mbit/s (2.4GHz), 2402 Mbit/s (5GHz) • Beamforming • Band steering • DL OFDMA • DL MU-MIMO • 1024QAM • 160MHz frequency bandwidth • DCM • BSS Coloring • WPA3 	
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Product Function

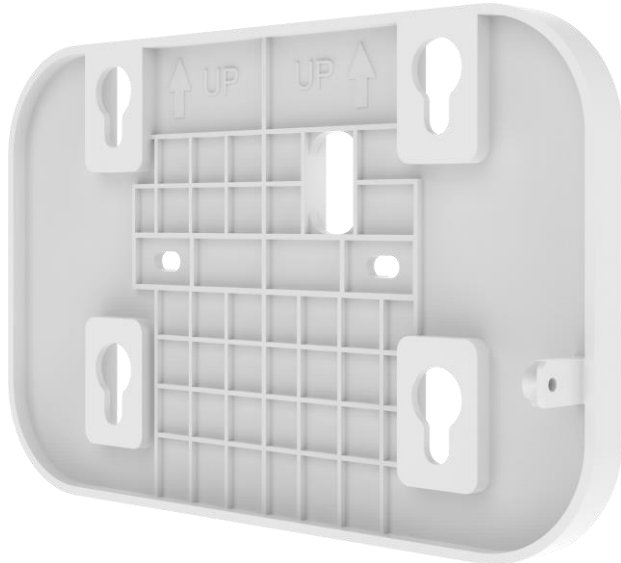
Smart interconnection	Smart service	Smart O&M	Common O&M
<ul style="list-style-type: none">• Smart Wi-Fi coverage• SIP/H.248 auto-negotiation• Any port any service• Parental control	<ul style="list-style-type: none">• Anti-squatter• Scheduled Wi-Fi shutdown• Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing	<ul style="list-style-type: none">• IPTV video quality diagnosis• eMDI• Rogue ONU detection and isolation from the OLT• Call emulation, and circuit test and loop-line test• PPPoE/DHCP simulation testing• One-click diagnosis (Web)	<ul style="list-style-type: none">• OMCI/Web UI/TR069• Variable-length OMCI messages• Dual-system software backup and rollback
Multicast	Security	QoS	Layer 3 features
<ul style="list-style-type: none">• IGMP v2/v3 proxy/snooping• MLD v1/v2 snooping	<ul style="list-style-type: none">• SPI firewall• Filtering based on MAC/IP/URL addresses• Supports 802.1X authentication• ONU Port-Level Hard-Isolated	<ul style="list-style-type: none">• Ethernet port rate limitation• 802.1p priority• SP/WRR/SP+WRR• Broadcast packet rate limitation	<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
Power saving			
<ul style="list-style-type: none">• Indicator power saving• COC V8			
Network management			
<ul style="list-style-type: none">• Visualized network management• User-defined bandwidth allocation• Wi-Fi optimization & Wi-Fi roaming• Wi-Fi O&M• Intelligent identification and anti-interference			

- 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

WLAN Security

- Open system authentication
- WEP authentication/encryption is supported. The encryption word length is 64-bit or 128-bit
- WPA2-PSK authentication/encryption (WPA2 Personal Edition)
- WPA2-802.1X authentication/encryption (WPA2 Enterprise Edition)
- WPA3-SAE authentication and encryption (WPA3 personal edition)
- WPA3-802.1X authentication/encryption (WPA3 Enterprise Edition)
- Supports WPA-WPA2 hybrid authentication. Supports WPA2-WPA3 hybrid authentication
- Supports 802.1X authentication, and MAC address authentication
- Supports Wi-Fi management frame encryption


Bracket

Item	Specification
Appearance	
Dimensions of bracket	165 mm (L) x 9.4 mm (W, 21.8 mm at widest point) x 105 mm (H)

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