

Overview

The Huawei OptiXstar W626E is an intelligent GPON and Wi-Fi 6 routing-type Optical Network Unit ONU, offering ultra-broadband access, high performance, and wide coverage to users. It provides 4 GE ports, 1 POTS port, 1 USB port, and 1 2.4G&5G Wi-Fi.

Huawei OptiXstar W626E implements ultra-broadband access for home 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 High Definition (HD) video service experience, providing customers a first-rate all-optical access solution with future-oriented service support capabilities.

- Next generation Wi-Fi 6 technology
- Fit/FAT management mode
- Smart service
- Smart interconnection
- Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar W626E
Dimensions (H x W x D)	227.5 mm x 165 mm x 36 mm (without the base) 237.5 mm x 172.5 mm x 105 mm (with the base)
Weight	About 650 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50/60 Hz
System Power Supply	12 V DC, 1.5 A
Maximum Power Consumption	18 W
NNI	GPON
UNI	4*GE+1*POTS+2.4G/5G Wi-Fi 6+1USB
Optical connector	SC/APC
Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS
Antenna	Built-in antenna
Memory	128 M Flash, 256 M RAM
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

Figure 1 shows the appearance of OptiXstar W626E.



Product Details

Interface Parameters

<p>GPON Port</p>	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Overload optical power: -8 dBm • Wavelengths: US 1310 nm, DS 1490 nm • Wavelength blocking filter (WBF) of G.984.5 • Flexible mapping between GEM Port and TCONT • Authentication mode: Password • Bi-directional FEC • SR-DBA and NSR-DBA • Type B (single-homing & dual-homing)
<p>Ethernet port</p>	<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
<p>POTS Port</p>	<ul style="list-style-type: none"> • Maximum 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)
<p>USB port</p>	<ul style="list-style-type: none"> • USB2.0

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<p>2.4G&5G Wi-Fi</p>	<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 • 2.4G&5G 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 • WPA3
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Features

<p>Network Management</p>	<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
<p>Smart Service</p>	<ul style="list-style-type: none"> • Anti-squatter • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing
<p>Smart O&M</p>	<ul style="list-style-type: none"> • IPTV video quality diagnosis (VMOS & eMDI) • Rogue ONT detection and isolation from the OLT • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing • One-click diagnosis (Web)
<p>Common O&M</p>	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback
<p>Multicast</p>	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • IGMP v2/v3 proxy • MLD v1/v2 snooping
<p>Smart Interconnection</p>	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control
<p>Power Saving</p>	<ul style="list-style-type: none"> • Indicator power saving





	<ul style="list-style-type: none"> • COC V7.1
Security	<ul style="list-style-type: none"> • SPI firewall • Anti-DoS attack • Filtering based on MAC/IP/URL addresses
WLAN Security	<ul style="list-style-type: none"> • 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, MAC address authentication, and Portal authentication. • Supports Wi-Fi management frame encryption.
QoS	<ul style="list-style-type: none"> • Priority-based data processing and forwarding based on the mapping and priority scheduling rules of Wi-Fi Multimedia (WMM) standards • Supports WMM power saving mode and Airtime scheduling • Supports Airtime scheduling
Layer 3 Features	<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, DSLite and IPv6 SPI • Static/Default routes • Multiple services on one WAN port
Home Network Feature	<ul style="list-style-type: none"> • Visualized home network management • User-defined bandwidth allocation • Wi-Fi optimization & Wi-Fi roaming • Wi-Fi O&M • intelligent identification and anti-interference

Get More Information

Do you have any question about the OptiXstar W626E?

Contact us now via info@hi-network.com.

Specification

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Antenna	Built-in antenna
Memory	128 M Flash, 256 M RAM
Installation mode	Desktop or wall mounting
Certification	SRRC/CE/Wi-Fi Alliance/CCC/MIIT network access
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2.4G&5G Wi-Fi

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

