

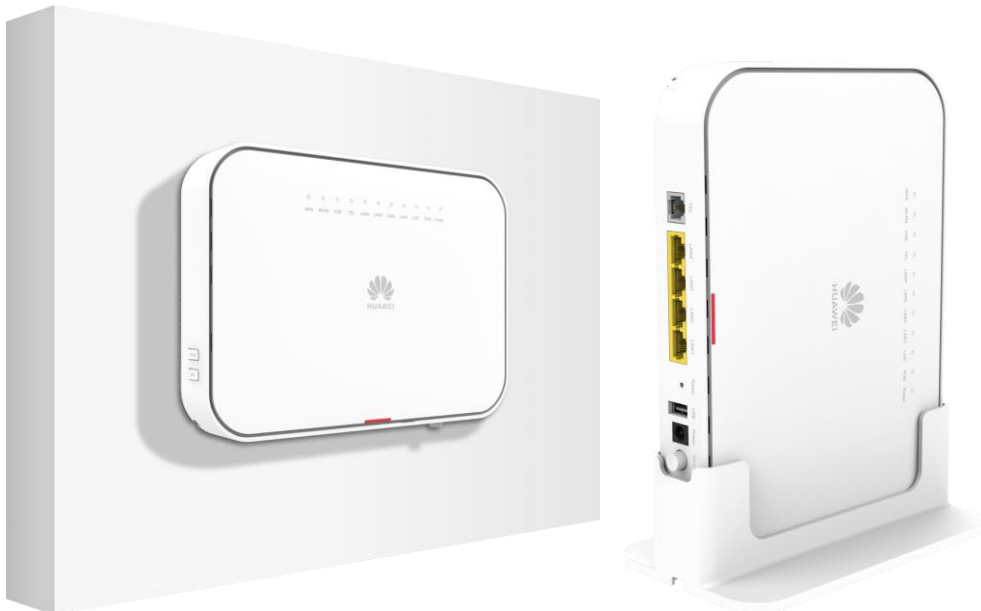
W626E Datasheet

Huawei Enterprise gigabit Wi-Fi 6 routing-type ONT W626E

Overview

The Huawei OptiXstar W626E is an intelligent GPON and Wi-Fi 6 routing-type ONT, 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 HD video service experience. Provides high-speed and simple network access experience for customers.

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



Device Parameters

Operating temperature	0°C to 40°C	NNI	GPON
Operating humidity	5% RH to 95% RH (non-condensing)	UNI	4*GE+1*POTS+2.4G/5G Wi-Fi 6+1USB
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
Maximum power consumption	18 W	Weight	About 650 g
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)	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	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

<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>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
<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 x 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) 	<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

<ul style="list-style-type: none"> • 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 	
--	--

Product Function


Network management	Smart service	Smart O&M	Common O&M
<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 	<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 (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) 	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback
	<p>Smart interconnection</p> <ul style="list-style-type: none"> • Smart Wi-Fi coverage 		
<p>Multicast</p> <ul style="list-style-type: none"> • IGMP v2/v3 snooping • IGMP v2/v3 proxy • MLD v1/v2 snooping 	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation • Any port any service • Parental control 	<p>Power saving</p> <ul style="list-style-type: none"> • Indicator power saving • COC V7.1 	<p>Security</p> <ul style="list-style-type: none"> • SPI firewall • Anti-DoS attack • Filtering based on MAC/IP/URL addresses
<p>WLAN Security</p> <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 	<p>QoS</p> <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 	<p>Layer 3 features</p> <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 	<p>Home network feature</p> <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

<p>authentication/encryption (WPA3 Enterprise Edition)</p> <ul style="list-style-type: none"> • 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. 			
--	--	--	--

Copyright © Huawei Technologies Co., Ltd. 2022. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

 HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base Bantian,
Longgang Shenzhen 518129 People's
Republic of China

Website: <http://www.huawei.com>