

Huawei OptiXstar W626E Datasheet 02

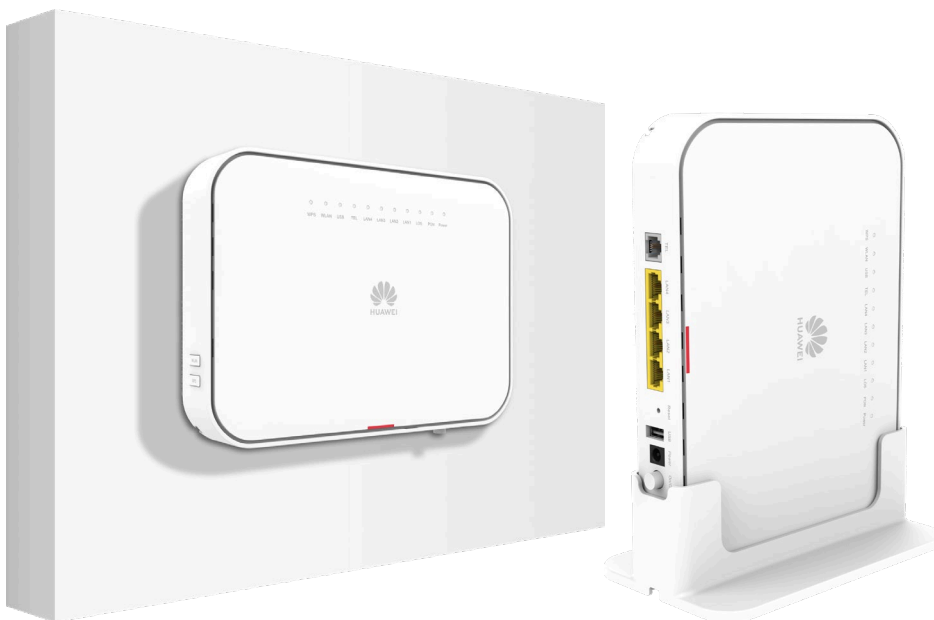
Huawei intelligent GPON and Wi-Fi 6 routing-type ONT

Overview

The Huawei OptiXstar W626E is an intelligent GPON and Wi-Fi 6 routing-type ONT. It uses the GPON Wi-Fi 6 technology to implement ultra-broadband access, high performance and wide coverage for users. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

It provides 4 GE ports, 1 POTS port, 1 USB port, and 1 2.4G&5G Wi-Fi port.

- Next generation Wi-Fi 6 technology
- 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-	UNI	4*GE+1*POTS+2.4G/5G Wi-Fi

	condensing)		6+1USB
Power adapter input	100–240 V AC, 50/60 Hz	Optical connector	SC/APC
System power supply	11–14 V DC, 1.5 A	Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/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

Interface Parameters

GPON port	POTS port
<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 • GPON: consistent with the SN or password authentication defined in G.984.3 • Bi-directional FEC • SR-DBA and NSR-DBA • Type B (single-homing&dual-homing) 	<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)
	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 (2.4G) • IEEE 802.11 a/n/ac/ax (5G) • 2 × 2 MIMO (2.4G) • 2 × 2 MIMO (5G) • Antenna gain: 2 dBi • WMM/Multiple SSIDs/WPS • 2.4G&5G concurrent • Air interface rate: 574 Mbit/s (2.4G), 2402 Mbit/s (5G) • Beamforming • Band steering • DL OFDMA • DL MU-MIMO • 1024QAM • 160MHz frequency bandwidth • WPA3 	<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


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"> 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 ONT detection and isolation from the OLT Call emulation, and circuit test and loop-line test PPPoE/DHCP simulation testing WLAN emulation 	<ul style="list-style-type: none"> OMCI/Web UI/TR069 Variable-length OMCI messages Dual-system software backup and rollback
Multicast	Security	Layer 3 features	Home network feature
<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 	<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 	<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
Power saving	QoS		
<ul style="list-style-type: none"> Indicator power saving COC V7 	<ul style="list-style-type: none"> Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation 		

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