

# 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/US B/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	Antenna	Built-in antenna
	mm (with the base)		
Memory	128 M Flash, 256 M RAM	Installation mode	Desktop or wall mounting

## **Interface Parameters**

GPON port	POTS port		
• Class B+	Maximum REN: 4		
• Receiver sensitivity: -27dBm ~ -29dBm	• G.711A/µ, G.729a/b and G.722 encoding/decoding		
Overload optical power: -8 dBm	• T.30/T.38/G.711 fax mode		
• Wavelengths: US 1310 nm, DS 1490 nm	• DTMF		
<ul> <li>Wavelength blocking filter (WBF) of G.984.5</li> </ul>	Emergency calls (with the SIP protocol)  USB port  USB2.0		
<ul> <li>Flexible mapping between GEM Port and TCONT</li> </ul>			
<ul> <li>GPON: consistent with the SN or password authentication defined in G.984.3</li> </ul>			
Bi-directional FEC	FTP-based network storage		
SR-DBA and NSR-DBA	File/Print sharing based on SAMBA		
• Type B (single-homing&dual-homing)	DLNA function		
WLAN	Ethernet port		
• IEEE 802.11 b/g/n/ax (2.4G)	Ethernet port-based VLAN tags and tag removal		
• IEEE 802.11 a/n/ac/ax (5G)	• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission		
• 2 × 2 MIMO (2.4G)	QinQ VLAN		
• 2 × 2 MIMO (5G)	• Limit on the number of learned MAC addresses		
Antenna gain: 2 dBi	MAC address learning		
WMM/Multiple SSIDs/WPS	• Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s		
• 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			

## **Product Function**

Smart interconnection	Smart service	Smart O&M	Common O&M
<ul> <li>Smart Wi-Fi coverage</li> <li>SIP/H.248 auto-negotiation</li> <li>Any port any service</li> <li>Parental control</li> </ul>	<ul> <li>Scheduled Wi-Fi shutdown</li> <li>Smart Wi-Fi sharing:         <ul> <li>Portal/802.1x</li> <li>authentication; SoftGRE-based sharing</li> </ul> </li> </ul>	<ul> <li>IPTV video quality diagnosis</li> <li>eMDI</li> <li>Rogue ONT detection and isolation from the OLT</li> <li>Call emulation, and circuit test and loop-line test</li> <li>PPPoE/DHCP simulation testing</li> <li>WLAN emulation</li> </ul>	<ul> <li>OMCI/Web UI/TR069</li> <li>Variable-length OMCI messages</li> <li>Dual-system software backup and rollback</li> </ul>
Multicast	Security	Layer 3 features	Home network feature
<ul><li>IGMP v2/v3 proxy/snooping</li><li>MLD v1/v2 snooping</li></ul>	<ul><li>SPI firewall</li><li>Filtering based on MAC/IP/URL addresses</li></ul>	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> <li>Visualized home network management</li> <li>User-defined bandwidth allocation</li> <li>Wi-Fi optimization &amp; Wi-Fi roaming</li> <li>Wi-Fi O&amp;M</li> <li>intelligent identification and anti-interference</li> </ul>
<ul><li>Power saving</li><li>Indicator power saving</li><li>COC V7</li></ul>	Ethernet port rate limitation     802.1p priority     SP/WRR/SP+WRR     Broadcast packet rate limitation		

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