

Overview

The Huawei OptiXstar EN8245X6s-8N is an XGS-PON and Wi-Fi 6 routing-type ONT. It uses the XGS-PON and Wi-Fi 6 technologies to implement ultra-broadband access, high performance and wide coverage for users. The high forwarding performance ensures the user experience of voice and data services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

It provides one 2.5GE port, three GE ports, two POTS ports, one USB port and 2.4GHz&5GHz Wi-Fi 6 function.

- Next generation Wi-Fi 6 technology
- Smart service
- Smart interconnection
- Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar EN8245X6s-8N
Dimensions (H x W x D)	247.5mm x 216.5mm x 72mm (without pads)
Weight	About 765 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, 3 A
Static Power Consumption	12.1 W
Maximum Power Consumption	30 W
Antenna Type	Internal antennas
NNI	XGS-PON
UNI	1x2.5GE+3xGE+2xPOTS+2.4GHz/5GHz Wi-Fi 6+1USB
Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN/2.5G LAN/TEL/USB/WLAN/WPS
Memory	128MB Flash, 512MB RAM

Figure 1 shows the appearance of OptiXstar EN8245X6s-8N.



Product Details

Interface Parameters

<p>XG-PON Port</p>	<ul style="list-style-type: none"> • Class N1/N2/E1 • Receiver sensitivity: -28 dBm • Wavelengths: US 1260-1280 nm, DS 1575-1580 nm • Upstream and downlink rate: 9.953 Gbit/s upstream, 9.953 Gbit/s downstream • Wavelength blocking filter (WBF) • Flexible mapping between GEM Port and TCONT • SN/Password/SN+Password/Bi-directional authentication based on OMCI • Upstream and downstream FEC • SR-DBA and NSR-DBA
<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 • GE port supports auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • 2.5GE port supports auto-adaptive 1000 Mbit/s or 2500 Mbit/s
<p>POTS Port</p>	<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	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n/ax (2.4G) • IEEE 802.11 a/n/ac/ax (5G) • 4 × 4 MIMO (2.4G) • 4 × 4 MIMO (5G) • 2.4G&5G concurrent • Antenna gain: 2 dBi • Air interface rate: 1147 Mbit/s (2.4G), 4804 Mbit/s (5G) • 4096 QAM • 160MHz frequency bandwidth • OFDMA • UL/DL MU-MIMO • DCM • BSS Coloring • Beamforming • Band steering • WPA3 • WMM/Multiple SSIDs/WPS

Product Function

Smart Interconnection	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control
Smart Service	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing • Association of one account with two POTS ports
Smart O&M	<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 • Neighboring AP scanning
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping
Power Saving	<ul style="list-style-type: none"> • Indicator power saving





Security	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
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

Get More Information

Do you have any question about the OptiXstar EN8245X6s-8N?

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

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