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Overview

Routing-type ONT, 4FE+2POTS+1WIFI+1USB, support QoS, Security, Power Saving, Multicast, Layer 3 Features, WIFI, USB and Smart O&M.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar HG8245A
Dimensions (H x W x D)	176 mm x 138 mm x 28 mm (without an external antenna)
Weight	Approximately 500 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	11–14 V DC, 2 A
Static Power Consumption	6 W
Maximum Power Consumption	14 W
Ports	2POTS + 4FE + Wi-Fi + 1USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS

Figure 1 shows the appearance of OptiXstar HG8245A.

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Product Details

Interface Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27 dBm ● Wavelengths: US 1310 nm, DS 1490 nm ● WBF ● 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
Ethernet Port	● 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
POTS Port	● 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	● USB2.0 ● FTP-based network storage
WLAN	● IEEE 802.11 b/g/n ● 2 x 2 MIMO ● Antenna gain: 2 dBi ● WMM ● Multiple SSIDs ● WPS ● Air interface rate: 300 Mbps

Product Function

Smart Interconnection	● Smart Wi-Fi coverage (V300R015C10) ● SIP/H.248 auto-negotiation ● Any port any service ● Parental control (V300R015C00)
Smart Service	● Smart Wi-Fi sharing: Portal/802.1x authentication (V300R015C10) SoftGRE-based sharing (V300R015C10)

	● Association of one account with two POTS ports
Smart O&M	● Variable-length OMCI messages ● Active/Passive rogue ONT detection and isolation ● Call emulation, and circuit test and loop-line test ● PPPoE/DHCP simulation testing ● WLAN emulation
Layer 3 Features	● PPPoE/Static IP/DHCP ● NAT/NAPT ● Port forwarding ● ALG, UPnP ● DDNS/DNS server/DNS client ● IPv6/IPv4 dual stack, and DS-Lite ● Static/Default routes ● Multiple services on one WAN port
Multicast	● IGMP v2/v3 proxy (V300R015C00)/snooping ● MLD v1/v2 snooping ● Multicast services through Wi-Fi
QoS	● Ethernet port rate limitation ● 802.1p priority ● SP/WRR/SP+WRR ● Broadcast packet rate limitation
Security	● SPI firewall ● Filtering based on MAC/IP/URL addresses
Common O&M	● OMCI/Web UI/TR069 ● Dual-system software backup and rollback
Power Saving	● Dynamic power saving ● Indicator power saving ● Scheduled Wi-Fi shutdown (V300R015C00)

Get More Information

Do you have any question about the OptiXstar HG8245A?

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

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