

Overview

The Huawei EchoLife HN8250Ts is an Optical Network Terminal (ONT) with upstream and downstream rates of up to 10 Gbit/s. With one 10 GE, four GE, and two POTS ports, this ONT ensures smooth user experience for Wi-Fi 6, voice, data, and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HN8250Ts
Dimensions (H x W x D)	178 mm x 117 mm x 34 mm
Weight	Approximately 350 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	90 V to 264 V AC, 50/60 Hz
Network-side Ports	1 XGS-PON
User-side Ports	1 x 10 GE + 4 GE + 2 POTS
Maximum Power Consumption*	12 W
Maximum PoE Output Power	NA
Surge Protection	GE port: common mode 4 kV; differential mode 0.5 kV AC power supply: common mode 6 kV; differential mode 6 kV
Installation Mode	Desktop

Figure 1 shows the appearance of EchoLife HN8250Ts.





Product Details

Interface Parameters

<p>XGS-PON Port</p>	<ul style="list-style-type: none"> • Class N2 • Receiver sensitivity: -28 dBm • Wavelengths: US 1260-1280 nm, DS 1575-1580 nm • 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 • 9.95328 Gbit/s upstream, 9.95328 Gbit/s downstream
<p>Ethernet Electrical Port</p>	<ul style="list-style-type: none"> • 4 x GE + 1 x 10GE • 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 • 10 GE: Auto-adaptive 100 Mbit/s, 1000 Mbit/s or 10000 Mbit/s • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
<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)

Product Function

<p>Smart Interconnection</p>	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation
<p>Smart Service</p>	<ul style="list-style-type: none"> • Association of one account with one POTS port
<p>Smart O&M</p>	<ul style="list-style-type: none"> • Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loop-line test
<p>Multicast</p>	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets • IGMP/MLD protocol packet rate limitation





Security	<ul style="list-style-type: none"> • MAC address filtering
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation • Flow mapping based on the VLAN ID, port ID, or/and 802.1p
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • COC V7

Get More Information

Do you have any question about the EchoLife HN8250Ts?

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

Specification

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Weight	Approximately 350 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	90 V to 264 V AC, 50/60 Hz
UNI	1 x 10 GE + 4 GE + 2 POTS
NNI	1 XGS-PON
Maximum Power Consumption*	12 W
Maximum PoE Output Power	NA
Surge Protection	GE port: common mode 4 kV; differential mode 0.5 kV AC power supply: common mode 6 kV; differential mode 6 kV
Installation Mode	Desktop
Compliance Certification	CE
XGS-PON Port	<ul style="list-style-type: none"> • Class N2 • Receiver sensitivity: -28 dBm • Wavelengths: US 1260-1280 nm, DS 1575-1580 nm





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	<ul style="list-style-type: none"> • 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 • 9.95328 Gbit/s upstream, 9.95328 Gbit/s downstream
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HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

