

Huawei OptiXstar HN8010Ts Datasheet 02

Huawei HN8010Ts, an XGS-PON bridging-type ONT

Overview

The Huawei EchoLife HN8010Ts is an XGS-PON bridging-type ONT in the Huawei all-optical access solution. It uses the XGS-PON technology to implement ultra-broadband access for users.



Device Parameters

Dimensions (H x W x D) (without pads)	32 mm x 105 mm x 110 mm	System power supply	11–14 V DC, 0.5 A
Weight	<350 g	Static power consumption	5.1 W
Operating temperature	0°C to 40°C	Maximum power consumption	6 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	XGS-PON
Power adapter input	100-240 V AC, 50/60 Hz	UNI	1*10GE
Indicators	Power/PON/LOS/10G LAN	Optical connector	SC/APC
Memory	128M Flash, 32M RAM		

Interface Parameters

XGS-PON port	Ethernet port
<ul style="list-style-type: none"> • Class N1/N2/E1 • 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 	<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 10000Mbit/s, 5000Mbit/s, 2500Mbit/s, 1000Mbit/s, 100Mbit/s


Product Function

Smart O&M	Multicast	QoS	Common O&M
<ul style="list-style-type: none"> • Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing 	<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 	<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 	<ul style="list-style-type: none"> • OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis
Security	Power Saving		
<ul style="list-style-type: none"> • MAC address filtering 	<ul style="list-style-type: none"> • Indicator power saving • CoC V 7.1 		

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