

# 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

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

# Interface Parameters

XGS-PON port	Ethernet port
<ul style="list-style-type: none"> <li>• Class N1/N2/E1</li> <li>• Receiver sensitivity: -28 dBm</li> <li>• Wavelengths: US 1260-1280 nm, DS 1575-1580 nm</li> <li>• Wavelength blocking filter (WBF)</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• SN/Password/SN+Password/Bi-directional authentication based on OMCI</li> <li>• Upstream and downstream FEC</li> <li>• SR-DBA and NSR-DBA</li> <li>• 9.95328 Gbit/s upstream, 9.95328 Gbit/s downstream</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Auto-adaptive 10000Mbit/s, 5000Mbit/s, 2500Mbit/s, 1000Mbit/s, 100Mbit/s</li> </ul>


## Product Function

Smart O&M	Multicast	QoS	Common O&M
<ul style="list-style-type: none"> <li>• Variable-length OMCI messages</li> <li>• Rogue ONT detection and isolation from the OLT</li> <li>• PPPoE/DHCP simulation testing</li> </ul>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD protocol packet rate limitation</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> <li>• Broadcast packet rate limitation</li> <li>• Flow mapping based on the VLAN ID, port ID, or/and 802.1p</li> </ul>	<ul style="list-style-type: none"> <li>• OMCI/Web UI</li> <li>• Dual-system software backup and rollback</li> <li>• 802.1ag Ethernet OAM</li> <li>• Optical link measurement and diagnosis</li> </ul>
Security	Power Saving		
<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• CoC V 7.1</li> </ul>		

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