

## Overview

The Huawei OptiXstar EN8010Ts-20 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. It provides 4 GE+2 POTS+1 USB+2 WiFi (4 GE ports, 2 POTS ports, 1 USB port, 1 2.4G WiFi port and 1 5G WiFi port). The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

## Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar EN8010Ts-20
Dimensions (W x D x H)	32 mm x 105 mm x 110 mm (without pads)
Weight	About 163 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, 1 A
Static Power Consumption	5 W
Maximum Power Consumption	6 W
NNI	XGS-PON
UNI	1*10GE
Optical Connector	SC/APC
Indicators	Power/PON/LOS/10G LAN

Figure 1 shows the appearance of OptiXstar EN8010Ts-20.





## Product Details

### Port Parameters

<p>XGS-PON Port</p>	<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>
<p>Ethernet Port</p>	<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>

### Function List

<p>Smart O&amp;M</p>	<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>
<p>Multicast</p>	<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>
<p>QoS</p>	<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>
<p>Common O&amp;M</p>	<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>
<p>Security</p>	<ul style="list-style-type: none"> <li>• MAC address filtering</li> </ul>





Power Saving	<ul style="list-style-type: none"> <li>• Indicator power saving</li> <li>• CoC V8</li> </ul>
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## Get More Information

Do you have any question about the OptiXstar EN8010Ts-20?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

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Maximum Power Consumption	6 W
NNI	XGS-PON
UNI	1*10GE
Optical Connector	SC/APC
Indicators	Power/PON/LOS/10G LAN
Memory	128MB Flash, 32MB RAM
XGS-PON 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>
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Get a Quote



- MAC address learning
- Auto-adaptive 10000Mbit/s, 5000Mbit/s, 2500Mbit/s, 1000Mbit/s, 100Mbit/s

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