

Huawei OptiXstar EN8010Ts-20 Datasheet 01

Huawei EN8010Ts-20, an XGS-PON bridging-type ONT

Overview

The Huawei OptiXstar EN8010Ts-20 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	12 V DC, 1 A
Weight	About 163 g	Static power consumption	5 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	128MB Flash, 32MB RAM	-	-

Interface Parameters

XGS-PON port	Ethernet port
- 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	- 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
- Variable-length OMCI messages - Rogue ONT detection and isolation from the OLT - PPPoE/DHCP simulation testing	- 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	- 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	- OMCI/Web UI - Dual-system software backup and rollback 802.1ag Ethernet OAM - Optical link measurement and diagnosis
Security	Power Saving	-	-
MAC address filtering	- Indicator power saving - CoC V8		

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