



ONT-10G-1x8G-POE Datasheet



ONT-10G-1x8G-POE is XGS-PON 8 port ONT which is ideal for commercial/enterprise applications to deliver symmetrical 10G high speed internet to businesses. ONT-10G-1x8G-POE comes standard with XGS-PON uplink interface (optics included) along with single port 10GE copper RJ45 or fiber SFP+ as well as 8 x 1GE copper RJ45 ports with POE/POE+. Its compact, rugged enclosure can be stand-alone or equipped with mounting brackets for 1U or flange mounting making installation clean and easy.

Hardware Features

- Compliant with ITU-T G.9807.1 XGS-PON (N1/N2)
- Support 10Gbps bi-directional traffic capability
- 1270nm Burst-Mode Transmitter with DFB Laser
- 1577nm Continuous-Mode Receiver with APD-TIA
- DC 50-57V Power Supply
- Support IEEE 802.3at, 802.3af PoE
- Support UNI with 8*1GE, 1*10GE, 1*sfp+

Software Features

- Compliant with ITU-T G.988 GPON OMCI
- Support SSH for Management
- Support 8K MAC entries
- Support multicast IGMP snooping
- Support advanced data features including VLAN-translation, modification and transparency.
- Compliance with IEEE 1588v2 8275.1 T-BC together with OLT, Supports G.8273.2 ClassB performance of pair of media converters
- Support "Plug-and-play" configuration via OLT
- Support Dying Gasp notification
- Support Rogue ONU Detecting
- Wire-speed with minimum frame-size
- Support Jumbo frames up to 9K
- Support AES (DS/US Unicast, DS/US OMCI, DS Multicast) (comment 1)

■ Hardware Specifications

CPU & Chipset	SoC ZX300
Uplink Interface	XGS-PON
Ethernet Interfaces	1*SFP+ / 1* 10GbE RJ-45 / 8*1 GbE RJ-45 with POE
Optical Interface	1577nm downstream & 1270nm upstream
Optical Output Power	Average + 4 to +9 dBm
Optical Rx Sensitivity	(overload) - 9 dBm to - 28 dBm min
Flash Memory	Embedded 128 Mbit
Memory	Embedded 512 Mbit LPDDR SDRAM
Physical Dimension	7.65" (W) X 6.5" (D) x 1.59" (H)
Weight	4 lbs
Operating Temperature/Humidity	-20 °C ~ +60 °C / 10 ~ 90%
Power input/consumption	50 - 57 VDC@5.4A

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