ANTRONIX®

XGS PON ONT
ANTX-2002-I

Features and Benefits

XGS-PON ONT

- ITU-T G.9807.1 XGS-PON BoB Uplink
- 1x 10/100/1000/2.5 G/5 G/10 G BASE-T IEEE 802.3 ab/bz/an Ethernet RJ45 Ports
- Support IEEE1588v2, Y.1731 and Sync-E (Planned)
- Support 802.3 af PoE PD
- Wall Adaptor, BBU, and PD Powering Options
- -40 to 65 °C Operating Temperature

Specifications

GENERAL

- **Model**
  ANTX-2002I
- **ONT Type**
  XGS-PON ONT
- **Main SoC**
  MaxLinear PRX321
- **Uplink**
  XGS-PON
- **Downlinks**
  1x 10 GE
- **Operating Temperature**
  40 to 65 °C
- **Storage Temperature**
  40 to 85°C
- **Operating Humidity**
  10 % to 95 %, Non-condensing
- **Installation**
  Desktop, Wall-mount, Din Rail Mount, with Integrated Fiber Management
- **Dimensions**
  1176x130x35 mm
- **Net Weight**
  350 g

XGS-PON

- **PON Interface**
  ITU-T G.9807.1 BoSA on Board
- **Connector**
  SC/APC
- **Data Rate**
  Symmetrical Tx: 9.95328 Gbps; Rx: 9.95328 Gbps
- **Standard Compliance**
  ITU-T G.9807.1



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10 GE LAN

- **Ethernet Interface**
  RJ45 Connectors
- **Standard Compliance**
  IEEE 802.3, 802.3 u, 802.3 ab, 802.3 an, 802.3 bz
- **Link**
  Half-duplex and Full-duplex Operations; 10/100/1000/2.5 G/5 G/10 G BaseT Auto negotiation and Manual Configuration; MDI/MDIX Auto Detection

Layer-2 Bridging

- **MAC**
  Ethernet Frame Filtering Based on Port, SA/DA
  IEEE 802.3 as, Max MTU size 9000 bytes
  MAC Address Limiting
- **VLAN**
  IEEE 802.1 d Bridging
  Ingress/egress IEEE 802.1 p Tagging, Replacement and Striping
  IEEE 802.1 ad Double Tagging
  Traffic Class Forwarding to GEMPort and TCONT
- **QoS**
  QoS Based on 802.1 p and 802.1 q
  802.1 p Marking Based on DSCP
- **Multicast**
  IGMP v2, v3, IGMP Snooping

Power

- **Max Power Consumption**
  5 watts
- **Power Options**
  Wall Adapter (2-pin Phoenix), BBU (8-pin Molex), PoE PD
- **Wall Adapter/BBU**
  100-240 VAC in, 50/60 Hz 12 VDC out, 1 A max

PoE PD

- **Standard Compliance**
  IEEE 802.3 af
- **Power**
  15.4 W Max

OAM

- **LED**
  LEDs Power, PON, 10 GE
- **Button**
  Reset
- **Management**
  OMCI, CLI, Telnet, Remote Debug
- **Firmware Upgrade**
  Firmware Upgrade, Active and Alternative Firmware Images
- **Diagnostics**
  Enhanced GPON Debug and Diagnostic Functions
  Remote Debug via Telnet from OLT Log Files, Memory Allocation and Crash Check
- **Alarm**
  Alarm Report and Suppression (ARC)
- **PM**
  All Standard PM Counters

Order Information

- **Model**
  ANTX-2002I
- **Description**
  XGS Uplink, 10 GE LAN, 802.3 af PD, I-Temp

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