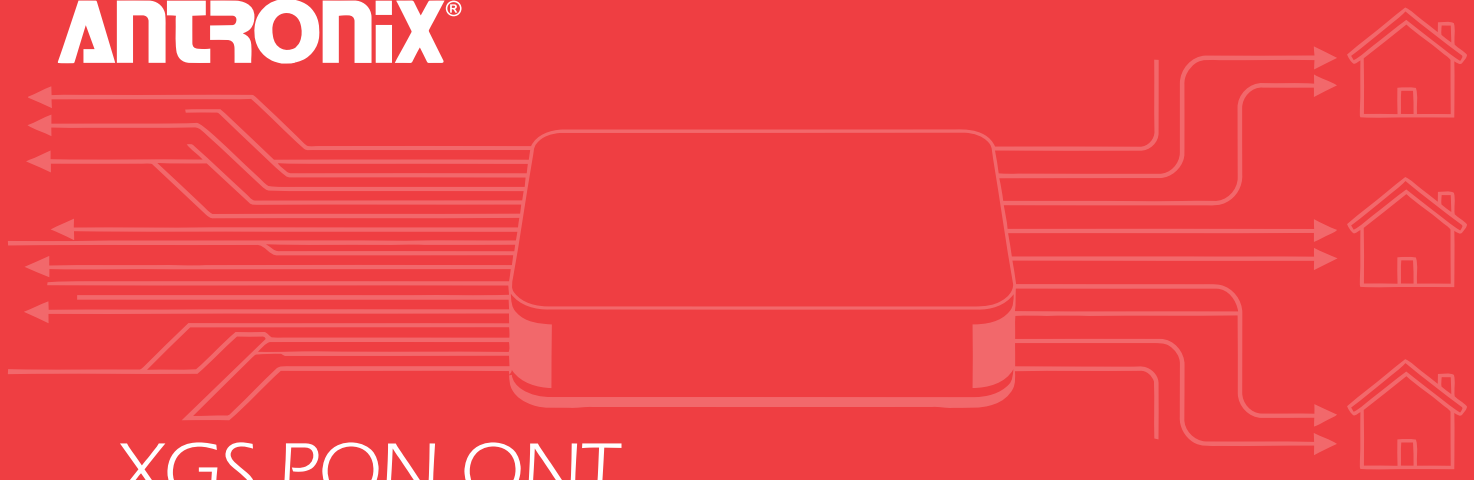
ANTRONIX®



XGS PON ONT
ANTX-2002-B

Features and Benefits

XGS-PON ONT

- ITU-T G.9807.1 XGS-PON SFF/BoB Uplink
- 1x10G and 1x2.5G Ethernet
- Optionally Supports IEEE1588v2, Y.1731 and Sync-E
- Wall Adaptor
- 0 to 40 °C Operating Temperature



Specifications

GENERAL

- **Model**
  ANTX-2002-B
- **ONT Type**
  XGS-PON ONT
- **Main SoC**
  Intel PRX321/PRX120
- **Uplink**
  XGS-PON (Alternatively 10 GEPON)
- **Downlinks**
  1x 10 GE + 1x 2.5 GE
- **Operating Temperature**
  0 to 40 °C
- **Storage Temperature**
  40 to 85°C
- **Operating Humidity**
  10 % to 95 %, Non-condensing
- **Installation**
  Desktop
- **Dimensions**
  145x110x30 mm
- **Net Weight**
  220 g

XGS-PON

- **PON Interface**
  ITU-T G.9807.1 SFF or BoB
- **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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2.5 GE LAN

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

10 GE LAN

- **Ethernet Interface**
  RJ45 Connectors
- **Standard Compliance**
  IEEE 802.3 u, 802.3 ab, 802.3 bz, 802.3 an
- **Link**
  100 M/1000 M/2.5 G/5 G/10 GBaseT Auto-negotiation and Manual configuration; Halfduplex and Full-duplex Operations for 100/1000 BaseT; DI/MDIX Auto Detection for 100/1000 BaseT

Layer-2 Bridging

- **MAC**
  Ethernet Frame Filtering Based on Port, SA/DA
  IEEE 802.3 as, Max MTU Size 2000 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

OAM

- **LED**
  Power, PON, LOS, 10GE, 2.5GE
- **Management**
  OMCI, CLI, Telnet
- **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

Power

- **Max Power Consumption**
  10 watts
- **Power Options**
  Wall Adapter
- **Wall Adapter/BBU**
  100-240 VAC in, 50/60 Hz 12 VDC out, 1 max

Weight & Measurement

- **Shipping Size**
  260*160*80 mm
- **Shipping Weight**
  490 g
- **Shipping Carton Size**
  340*420*290 mm (10 Products per Carton)
- **Shipping Carton Weight**
  5.4 kg

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