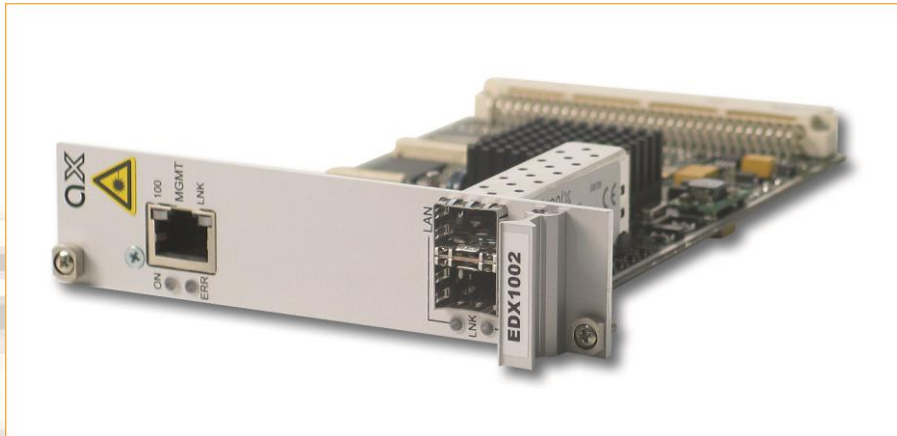


EDX1002

Gigabit Ethernet Demarcation



Introduction

The EDX1002 is a fully managed compact Gigabit-Ethernet demarcation device for Ethernet applications. arcutronix technology is a powerful way to enable the delivery of high quality broadband services throughout the entire CSA (carrier servicing area).

The EDX1002 is designed as demarcation devices for provider's network and edge. A wide bunch of different optical interfaces are supported on LAN and WAN side of the unit. All types of GigE-SFPs are supported and so an universal converter/repeater for wavelength, fibre-mode and distance can be setup.

When acting on the provider's edge the EDX1002 is terminating the optical Metro Ethernet or EFM-network towards the customer's CPE. Provider's VLAN tagging (acc. to 802.1ad) makes it possible to transparently interconnect networks of different customers and keep full privacy of data traffic.

The EDX1002 offers full local and remote management access to give carrier class performance monitoring and a wide range of SLA settings via SNMP, CLI and web-based management.

EDX1002 can be housed in small footprint single-slot housings as well as 19" racks with central management access.

Features

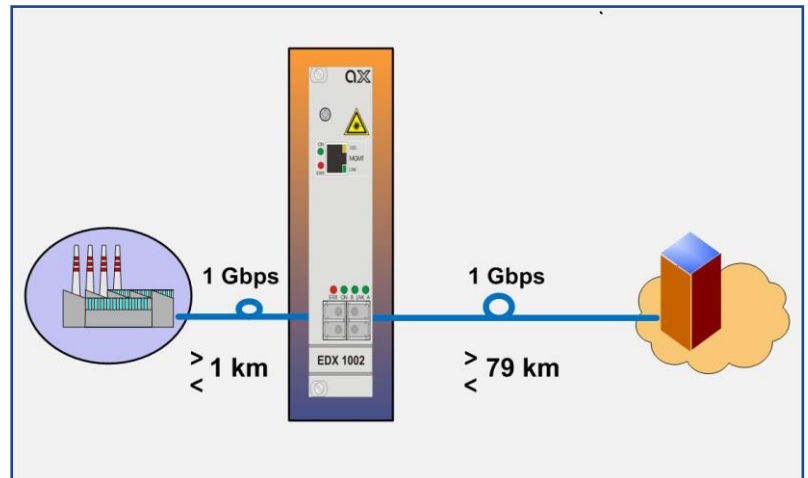
- ▶ Carrier-class Gigabit-Ethernet conversion and optical GbE extension
- ▶ 2x GbE network ports for pluggable SFP
- ▶ SFP transceiver for short, long haul and WDM applications are supported
 - Copper SFP (10/100/1000BaseT) supported
 - No limitation for SFP usage
- ▶ Provider Bridge with QinQ support
- ▶ Bandwidth Limitation per port
- ▶ Performance monitoring on all ports
- ▶ Hardened version
- ▶ Remote flash software update
- ▶ SNMP Agent onboard
- ▶ Secure configuration via SSHv2 (Secure Shell) terminal
- ▶ Permanent remote in-band management
- ▶ Compact 3RU design

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Application Example

EDX1002 as Provider's demarcation point for distant enterprise networks. EDX1002 offers to combine multimode and single mode fibre in flexible way via different types of pluggable SFP modules. Thus providers or carriers are able to interconnect regional enterprise networks via long haul SFP's in easy and cost effective way.



Specifications

Network I/F (WAN)

- 1 x 1000BaseS X/LX/ZX/BX
 - Pluggable SFP types
 - Connector: SFP
 - Electrical (RJ45) SFP for GbE

Service I/F (LAN)

- 1 x 1000BaseS X/LX/ZX/BX
 - Pluggable SFP types
 - Connector: SFP
 - Electrical (RJ45) SFP for GbE

Features

- Traffic classification/priority based on TOS/DSCP/802.1P/802.1Q
- 4 priority queues for traffic management
- Low latency handling of VoIP/video services
- 802.1Q VLAN: forwarding, stacking (802.1Q-in-Q)
- 16 port based VLANs with tagging acc. IEEE802.1Q
- Remote Failure detection with LPT and RFD
- 8k MAC addresses supported
- Jumbo-Frames supported:
 - MTU (Maximum Transmission Unit): 1632 Bytes

Management

- CLI, HTTP/GUI and SNMPv1 and v2c
- Serial and Ethernet ports for local management
- SSH or Telnet support
- Software download via TFTP
- DHCP support

Environmental

- Operating: -25 to +70°C (ETS300019-1-3; class3.3)
- Transport: -25 to +70°C (ETS300019-1-2; class2.2)
- Storage: -25 to +55°C (ETS300019-1-1; class1.2)
- Humidity: 10 to 90%, non-condensing
- Safety-Norm: acc. to EN60950
- Emission: EN55022 class B

Power

- Supply Voltage: +5 VDC via Backplane
- Power consumption: < 6 VA, over current protected
 - Total power consumption depends on SFPs
- Power supply via system rack SRX or housing SHX

Physical

- Weight: < 250g
- Dimensions:
 - 130mm H x 30mm W x 190mm D
 - 45mm H x 145mm W x 260mm D (in SHX3)
- 19" rack: 10 slots available in 3RU rack

Specification may change without prior notice. Please refer to www.arcutronix.com for latest data-sheets.

For more information please contact arcutronix GmbH or visit us at www.arcutronix.com.

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