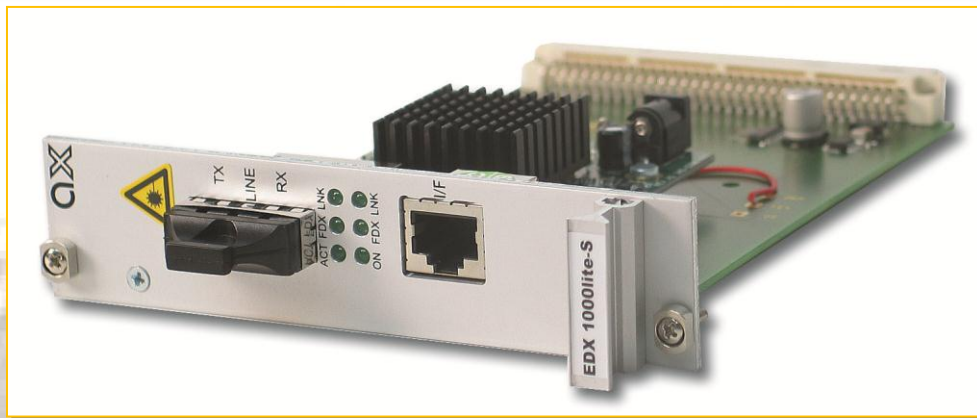# arcutronix

EDX1000lite
Unmanaged Gigabit Ethernet Converter

Introduction

The EDX1000lite is an unmanaged Gigabit Ethernet media converter, which offers an economical copper to fibre optic signal conversion.

As Ethernet has evolved into the most widely implemented physical and link layer protocol today, more and more services are delivered on Ethernet Infrastructure. As bandwidth demand is growing, Gigabit Ethernet to the customer satisfies today needs for broadband access. fibre optic connections allow long-haul Ethernet-links to spread Gigabit Ethernet services into a wide area.

EDX1000lite is an easy to install and easy to operate device, which saves costs and energy.
In case of signal loss of fibre optic port, an alarm-output is triggered for external use, so failures can easily be detected and problem-location is quickly done.
As part of arcutronix Multi Service Platform EDX1000lite can be housed in small footprint singleslot housing or 19" rack to achieve high density on small footprint.
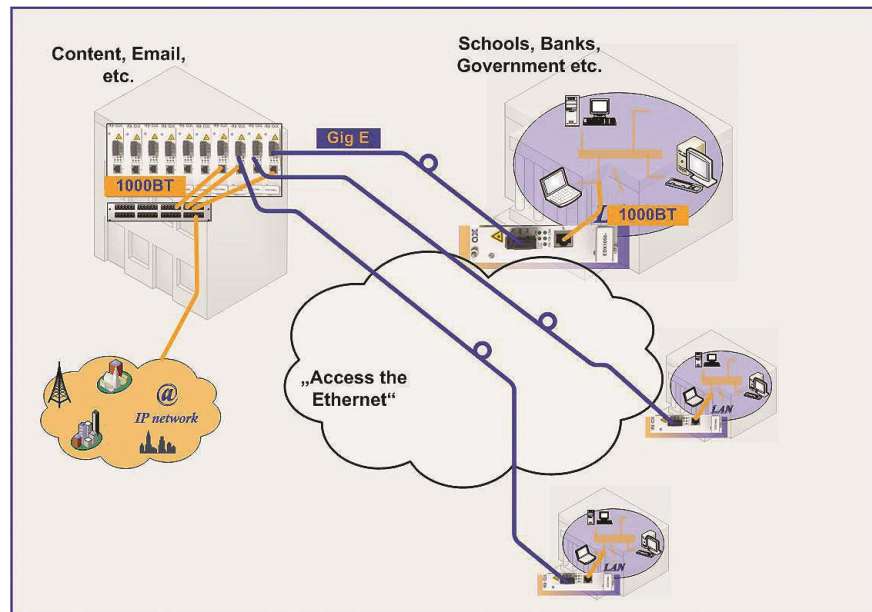
Features

▸ Gigabit Ethernet converter: 1000BaseT to 1000Base-LX
▸ Compact design
▸ Support of Jumbo-Frames
▸ Different FO options on demand
▸ Compact 3RU rack mount card
▸ Available together with SHX3 for Desktop version

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Application Example

The EDX1000lite can be used to bridge long distances, thus enhancing copper Ethernet networks by using a fibre optic line between branch offices or to achieve GE-rollout for customers.

Specifications

Network I/F (WAN)

- 1x 1000Base-LX
  - IEEE 802.3
  - VLAN support
  - Connector: ST
- Different wavelength/connector available on demand

Service I/F (LAN)

- 1x 1000BaseT
  - IEEE 802.3
  - Auto Negotiation, Auto MDIX
  - Connector: RJ45

Features

- Plug-n-Play installation
- Low power consumption
- Support of Jumbo Frames
- Support of VLAN-tagged traffic
- LEDs on front to indicate status
- MTU: 8192 Bytes

Environmental

- Operating: +5 to +40°C (ETS300019-1-3; class3.1)
- 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
- Immunity: EN61000-4-3   10V/m

Power

- Supply Voltage: +5 VDC (4,8 to 5,2 V) via Backplane
- Power Consumption: < 4VA, overcurrent protected
- Power supply via system rack SRX or housing SHX

Physical

- Weight: < 200g
- 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.