



### Introduction

The Ethernet converter EDX100-S offers one optical 100BaseFX (1310nm) port plus one copper Ethernet port and provides an economical copper / fiber optic signal conversion.

The copper Ethernet port is configured to 10BaseT with auto-negotiation (HDX/FDX). Supporting auto-cross-over (MDIO/MDIX) makes installation very easy, as any Ethernet patch cable can be used.

Fiber optic connection allows standard distances for Ethernet-links to spread connectivity into a metro/access area.

The Ethernet bridge - media converter EDX100-S has Link Fault Pass-through (LFP) function, which allows easy tracing of network link failures.

In case of signal loss of fiber optic port, an alarm is triggered for external use.

EDX100-S can be housed in small footprint single-slot housing or 19" rack.

### Features

- ▶ Ethernet converter: 10BaseT to 100BaseFX
- ▶ Compact design
- ▶ Support of Jumbo-Frames
- ▶ Link Path Through for failure detection
- ▶ Standard 1310nm laser

### Application

The EDX100-S can be used to bridge long distances, thus enhancing copper Ethernet networks by using a fiber optic line between the branch offices.



### Specifications

#### Network I/F (WAN)

- 1 x 100BaseFX
  - 1310nm, standard, 16dB Budget, 20km
  - Connector: ST

#### Service I/F (LAN)

- 1 x 10BaseT
  - Auto negotiation, Auto MDIX
  - Connector: RJ-45

#### Environmental

- Operating: +5 to +40°C
- Storage: -30 to +80°C
- Humidity: 10 to 90%, non-condensing

#### Power

- ~2.5W
- Input: 5VDC from BP

#### Physical

- Weight: 150g
- Dimensions:
  - 130mm H x 30mm W x 190mm D
  - 40mm H x 145mm W x 260mm D (in SHX3)
- 19" rack: 24 (10) slots available in SRX24 (SRX10)