

DIAMOND *flexos*

Fiber Optic Active Components

BRIDGES

The Mini Bridge offers an easy and cost effective integration of twisted-pair cable 10 or 100BaseTX into modern fiber based Fast Ethernet (100BaseFX) networks. In addition to the media conversion a speed adjustment of data rates 10 and 100 MBit/s as well as the half and full duplex modes. Existing length restrictions for Ethernet (5 km) and Fast Ethernet segments (412 m) are eliminated by the bridge (segment splitting).

FEATURES AND BENEFITS

- ▶ Compact size
- ▶ Segment splitting and speed adaption
- ▶ Auto-Negotiation 10/100Base-TX
- ▶ Half/full-duplex and 10/100 Mbit/s mode manual configurable
- ▶ Status/diagnostic LED's
- ▶ Connection Control "Link Trough"
- ▶ Power Selector (DC power supply or optional self powering cable USB)
- ▶ Fanless

SPECIFICATIONS

| | |
|------------------------|--|
| Compatibility: | IEEE802.3 10BaseT, IEEE802.3u 100BaseTX/FX |
| Type: | Fast Ethernet Bridge to connect Twisted-Pair (10/100BaseTX) and FO segments (100BaseFX) |
| Interfaces: | Optical: E-2000™ LAN Low Profile Electrical: RJ45 |
| Cable type: | UTP/STP 100ohm Cat.5 |
| Fiber type: | Multimode 50 or 62.5/125 µm Singlemode 9/125 µm |
| Data rate: | 100 Mbit/s |
| Wavelength: | 1300nm MM / 1310nm SM |
| Optical power: | - 19 dBm |
| Sensitivity: | - 31 dBm |
| Max. distance: | 100m (UTP/STP) Half-duplex: 0,412 km (Fiber MM) Full-duplex: 2 km (Fiber MM) Full-duplex: 15 km (Fiber SM) |
| Dimensions: | 94 x 70 x 25 mm (LxWxH) |
| Operating temperature: | 0°C to 55°C |
| Storage temperature: | -20°C to 80°C |
| Rel. humidity: | 5% to 80% (non condensing) |
| Power supply: | 100-240 V AC input, 5V DC output |
| LED display: | Power Standby FX-Link FO Link FX-FDX FO Half-/Full-duplex TX-Link Twisted-pair link TX100 Twisted-pair 10/100 Mbit |

Mini Bridge

10/100 MM/SM



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Specifications subject to change
without notice

BDD 1900440_03_12

ORDER INFORMATION

| PRODUCT NAME | DESCRIPTION | ORDER NUMBER |
|---------------------------------------|--|--------------|
| 10/100Base-TX to 100Base-FX MM Bridge | E-2000™ 1 port MM Ethernet Mini Bridge, 1x10/100BaseTX/1x100BaseFX Multimode, 1300nm 1xE-2000™ LAN Low Profile, 1xRJ45 Plug incl. external power supply | EQO 1024449 |
| 10/100Base-TX to 100Base-FX SM Bridge | E-2000™ 1 port SM Ethernet Mini Bridge, 1x10/100BaseTX/1x100BaseFX Singlemode, 1310nm 1xE-2000™ LAN Low Profile, 1xRJ45 Plug incl. external power supply | EQO 1036945 |

Also available with other common optical interfaces, please contact your local DIAMOND representative