

# DIAMOND *flexos*

## Fiber Optic Active Components

### BRIDGES

The Mini Bridge offers an easy and cost effective integration of twisted-pair cable (10/100/1000BaseTX) into modern fiber based Fast Ethernet (1000BaseSX/LX) networks. In addition to the media conversion, the data rate as well as the duplex mode are being adjusted. Existing length restrictions for Ethernet (5km) and Fast Ethernet segments (412m) are eliminated by the bridge (segment splitting).

### FEATURES AND BENEFITS

- ▶ Compact size
- ▶ Wall mounting holes
- ▶ Auto-Negotiation 10/100/1000BaseT
- ▶ MM fiber up to 220/ 550m (62.5/50µm)
- ▶ SM fiber up to 20km
- ▶ Highly visible LED indicators
- ▶ External universal power adaptor
- ▶ Fanless

### SPECIFICATIONS

Compatibility:	IEEE802.3 (10/100/1000BaseT), IEEE802.3z/u (1000BaseSX/LX)
Type:	Gigabit Ethernet Bridge to connect Twisted-Pair (10/100/1000BaseT) and FO segments (1000BaseSX/LX)
Interfaces:	Optical: 1xE-2000™ LAN Low Profile Electrical: 1xRJ45
Cable type:	Shielded-Twisted-Pair Cable, 100ohm, Cat. 5-6
Fiber type:	Multimode 50 oder 62.5/125 µm Singlemode 9/125 µm
Data rate:	T/TX: 10/100/1000 Mbit/s, SX/LX: 1000 Mbit/s
Wavelength:	1000SX 850nm / 1000LX 1310nm
Power Budget:	MM 62.5/125, 50/125, 220/550m / 8dB SM 9/125, 20km / 17dB
Dimensions:	95 x 26 x 103 mm (W x H x L)
Operating temperature:	0°C to 45°C
Storage temperature:	-30°C to 70°C
Rel. humidity:	10% to 90% (non condensing)
Power supply:	Ext. power adaptor, 100-240V AC input, 5V DC output
LED display:	Power Standby Fiber-Port Link Activity Copper-Port Link/Activity for 10/100/1000Mbit/s

### Triple Speed Mini Bridge

ETHERNET 10/100/1000



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Specifications subject to change  
without notice

BDD 1951111 019

**ORDER INFORMATION**

PRODUCT NAME	DESCRIPTION	ORDER NUMBER
Triple Speed Mini Bridge MC 10/100/1000, MM	1 Port Gigabit Ethernet Triple Speed Mini Bridge Multimode 850nm 10/100/1000BaseT/1000BaseSX 1xE-2000 LAN Low Profile, 1x RJ45 Plug	EQO 1053085
Triple Speed Mini Bridge MC 10/100/1000, SM	1 Port Gigabit Ethernet Triple Speed Mini Bridge Singlemode 1310nm, 10dB, 0-10km 10/100/1000BaseT/1000BaseLX 1xE-2000 LAN Low Profile, 1x RJ45 Plug	EQO 1053086
Triple Speed Mini Bridge MC 10/100/1000, MM Managed	1 Port Gigabit Ethernet Triple Speed Mini Bridge Multimode 850nm 10/100/1000BaseT/1000BaseLX 1xE-2000 LAN Low Profile, 1x RJ45 Plug Incl. Management	EQO 1053088
Triple Speed Mini Bridge MC 10/100/1000, SM Managed	1 Port Gigabit Ethernet Triple Speed Mini Bridge Singlemode 1310nm, 10dB, 0-10km 10/100/1000BaseT/1000BaseLX 1xE-2000 LAN Low Profile, 1x RJ45 Plug Incl. Management	EQO 1053089

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