1. Description

The Delock Gigabit Ethernet Media Converter series is designed to extend a copper based Ethernet network via fiber cable to a maximum distance up to 80 km (depends on SFP). The 10/100/1000 Mb/s Gigabit Ethernet Media Converter series is fully compliant with IEEE802.3z and IEEE802.3ab standards. The installation and operation procedures are simple and straightforward. Operation status can be locally monitored through a set of diagnostic LEDs located in the front panel.

2. Package content

- Media Converter
- AC-DC Power Supply
- User Manual

3. Installation

- Fiber interface

Slide the optional SFP module (mini-GBIC) into the SFP slot and push until you hear a click. Connect a fiber cable from the SFP module to the fiber network. The fiber connections must be matched - transmit socket to receive socket, the TX, RX fiber cable must be paired at both ends.

- TP interface

Connect a TP cable from the 10/100/1000Base-T network to the RJ-45 port on the media converter.

- Power

Connect the power adapter to the media converter and check that the Power LED lights up. The TP-LINK/ACT and FP-LINK/ACT LEDs will light up when all the cable connections are correctly installed.

4. LED Description

LED indicator lamps serve as device monitoring and troubleshooting display. The following is the explanation for each LED indicator lamp.

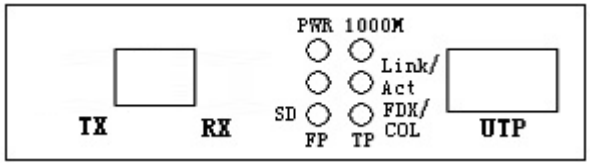

Fig. 1: Front panel for SFP media converter

LED	Status	Description
PWR	On	Power supply is normal
	Off	Check power supply
1000M	On	TP Port Link speed is 1000 Mb/s
	Off	TP Port Link speed is 10/100 Mb/s
TP Link/Act	On	TP Link connected
	Blink	Data transmission
	Off	TP Link fail
FP Link/Act	On	Fiber Port Link connected
	Blink	Data transmission
	Off	Fiber Port Link fail
FDX/ COL	On	TP Port works in full duplex mode
	Off	TP Port works in half duplex mode
SD	On	Fiber Port signal detected
	Off	Fiber Port signal not detected

5. Technical Specifications

Function	Description
Standard Protocol	IEEE802.3 10/100Base-TX IEEE802.3z 1000Base-SX/LX IEEE 802.3ab 1000Base-T
Connector	one RJ-45 connector one SFP slot
TP cable	Cat.5 UTP cable or better
Operation mode	full duplex mode or half duplex mode Auto MDI/MDI-X support on RJ45 port
Data Rate	Fiber: 1000 Mb/s Copper: 10/100/1000 Mb/s
Power supply	+5 V DC 1 A
Environmental temperature	0 ℃ ~ 55 ℃
Relative humidity	5 % ~ 80 %, non-condensing
Dimensions	ca. 26 mm x 70 mm x 95 mm

Safety Instructions:

1. This product is suitable for indoor application only.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.

Declaration of conformity

Products with a CE symbol fulfill the EMC directive (2004/108/EC), which were released by the EU-commission.

The declaration of conformity can be downloaded here:

http://www.delock.de/service/conformity

WEEE-notice

The WEEE (Waste Electrical and Electronic Equipment) directive, which became effective as European law on February 13th 2003, resulted in an all out change in the disposal of disused electro devices. The primarily purpose of this directive is the avoidance of electrical waste (WEEE) and at the same time the support of recycling and other forms of recycling in order to reduce waste. The WEEE-logo on the device and the package indicates that the device should not be disposed in the normal household garbage. You are responsible for taking the disused electrical and electronical devices to a respective collecting point. A separated collection and reasonable recycling of your electrical waste helps handling the natural resources more economical. Furthermore recycling of electrical waste is a contribution to keep the environment and thus also the health of men. Further information about disposal of electrical and electronical waste, recycling and the collection points are available in local organizations, waste management enterprises, in specialized trade and the producer of the device.

Rev.1

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10/100/1000 Mb/s Gigabit Ethernet Media Converter User Manual

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