

Qoltec®



USER MANUAL

1xRJ45 & 1xSFP bidirectional Ethernet media
converter

Model: 52295

Introduction

Thank you for your trust and for choosing our SFP & RJ45 multimedia converter. We are confident that this product will meet your expectations and prove to be an indispensable tool in your daily work. This user manual has been prepared to assist you with the installation and use of the device. It includes guidance on the correct use of our product. If you have any questions after reading this manual, please contact the NTEC sp. z o.o. customer service department.

About the product

The converter can operate in both directions, i.e. it can convert a signal from RJ45 Ethernet to SFP and vice versa, from SFP to RJ45 Ethernet. SFP is a connector used mainly in networking equipment, such as switches and routers, to support various types of transmission, such as fibre-optic connections. It requires no additional configuration and is Plug&Play.

Product features

Discover new possibilities with the Qoltec device, which offers:

- Supports simultaneous data transmission and reception in Full-Duplex or Half-Duplex mode,
- Equipped with an RJ45 port and an SFP port,
- SFP data transfer speeds of up to 1 Gb/s,
- Metal casing,
- LED indicators for status and connection activity: TX, FX LINK/ACT, POWER, FDX,
- Compatible with CAT 5, 5e, 6, 7 and 8 patch cables,
- Provides high resistance to electromagnetic interference and stable data transmission even over longer distances.

Safety instructions

Adhering to the above guidelines will extend the device's service life, ensure its trouble-free operation and protect the user from potential hazards.

1. Place the switch in a dry and well-ventilated location, away from sources of moisture, high temperatures, dust and direct sunlight.

2. Monitor the device's temperature, particularly during intensive use of all ports. Ensure that the ventilation openings are clean and unobstructed.
3. Use only the supplied or recommended power supply unit with the appropriate specifications.
4. Do not open the device's casing – there are live components inside. Repairs may only be carried out by a qualified service centre.
5. Do not place heavy objects on the device.
6. Avoid tugging on Ethernet or power cables when connecting or disconnecting them.
7. Check the condition of the cables, plugs and ports regularly to ensure they are not damaged.
8. Clean the casing with a dry, soft cloth. Do not use chemicals or water.

LED indicators

Figure 1 in the appendix

- 1) . FX: Fibre-optic connection and communication.
- 2). TX: RJ45 connection and communication.
- 3). 100: RJ45 port in 1000M mode, fibre-optic port in 1000M mode
- 4). Link/Act: Fibre-optic port link and RJ45 port link
- 5). FDX: Full-duplex communication.
- 6). PWR: Power supply.

LED	Function	Status	Description
1000	Fibre port speed	ON	Fibre port 1000M rate
		OFF	Fibre port 100M rate
100	UTP port speed	ON	UTP Port 1000M rate
		OFF	UTP port 100M rate
Link/ Act	Fibre-optic link/activity status	ON	The fibre is connected
		BLIN	Data is being transmitted

		K	
	UTP port link/action status	ON	Network connected
		BLINK	Data is being transmitted
FDX	UTP port duplex	ON	Full Duplex
		OFF	Half-duplex
PWR	Power LED	ON	Power supply is normal
		OFF	Faulty power supply

Instructions for connecting the media converter

1. Connect the fibre-optic cable from the media converter to the fibre-optic network. Ensure that the sockets are correctly matched: the transmit (TX) socket must be connected to the receive (RX) socket at both ends.
2. Connect the CAT 5 UTP cable to the RJ-45 port on the media converter.
3. Connect the power supply to the media converter and check that the power (PWR) LED lights up.
4. The LINK/ACT LED will light up once all cable connections are correct.

Simple and quick installation in just a few steps, with automatic connection detection

Figure 2 in the appendix

Disposal

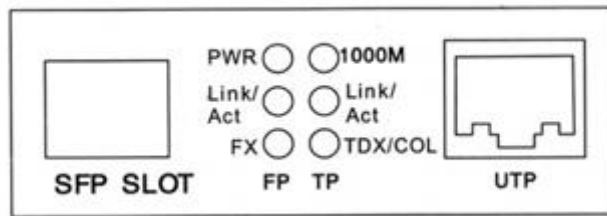
Do not dispose of the device in ordinary household waste. The converter should be disposed of in accordance with local regulations on the recycling of electronic equipment.

Warranty and service

The converter is covered by the manufacturer's warranty. If you experience any problems with the product, please contact customer service for assistance.

Attachment

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