

PD-VDSL-MI100

VDSL-Bridge for UTP cable

- Copper port 10/100TX, RJ45
- Extenderport VDSL2, RJ45
- Solid metal case
- Simple use
- Alimentation 12VDC, plug-in
exkl. Recommended power supply MS 19



PD-VDSL-MI100 is an Ethernet extender designed for extensive Ethernet applications. It is equipped with an Ethernet port and a VDSL2 port (RJ-45 connector) in a metal housing, allowing easy installation in harsh environments. It is a bridge modem. The VDSL2 technology used allows Ethernet signals to be transmitted over distances of up to 2km via a twisted pair of wires. The PD-VDSL-MI100 supports both symmetrical and asymmetrical transmissions and can transmit up to 100/100 Mbit/s bandwidth. The Extender can be mounted as a desktop model or on a DIN rail using the optional PD-DIN-kit. With the 19" PD-R2 rack, up to 17 individual PD-VDSL-MI100s can be accommodated on 2U.

Video network special features

Differences between VDSL2 and VDSL

These devices support VDSL2. VDSL2 is more robust in transmission than VDSL1/VDSL and is also significantly faster. When using signal cables that have already been laid, the poorer VDSL transmission technology leads to problems faster, especially in video transmission, while the use of VDSL2 devices results in more stable and powerful solutions.



Technical data

General properties

supply voltage	12VDC, screw clamp Without power supply, must be ordered separately
power consumption	4,2W
operating temperature	0°C ... 45°C
dimensions	92mm x 74mm x 23mm, (LxWxH)
weight	0,23kg

interfaces

copper ports	1 x 10/100TX, RJ45
extender ports	1 x VDSL2, RJ45
transmission cable	Paired copper cable, e.g. phone cables Cat3

Transmission distance

Maximal distances highly depend on the quality of the cable used. Older or damaged cables can result in significantly reduced distances. Larger vein cross-sections are advantageous, smaller are disadvantageous. The distances listed below refer to cables with AWG24, approx. 0.5mm core diameter. The listed values are indications without guarantee.

The indications mean: Distance[m] / Data rate in downstream[MBit/s] / Data rate in upstream[MBit/s]

300 / 100 / 100

600 / 40 / 45

900 / 22 / 19

1200 / 16 / 7

1500 / 12 / 3

1800 / 8 / 2

200 / 5 / 2

Product variants



:

PD-VDSL-MI100



:

PD-DIN-kit-VDSL

Fixing for DIN-rail



:

PD-R2

19" rack for max. 17 devices
2U
Power supply 230VAC

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