

Product Overview

Fast Ethernet VDSL Extender



Description

The Fast Ethernet VDSL 2 extender offers transmission of Ethernet via conventional 2-wire lines (telephone or ISTY cable) over a distance of up to 2000 m.

With transmission speeds of up to 88 Mbps, this extender offers high network performance, which is achieved at a distance of up to 200 metres. For larger distances of up to 2000 metres, the achievable bandwidth is reduced accordingly. The maximum transmission speed is automatically negotiated depending on the distance and line quality.

Devices are used pairwise in the master/slave principle, whereby configuration is performed with a DIP switch. The network connection is via a RJ-45 socket with 10/100Base-TX auto-negotiation. The 2-wire line is connected with the system via an RJ-45 socket.

Properties

- Transmission of Fast Ethernet via 2-wire cables
- High performance of up to 88 Mbps (at 200m)
- Easy commissioning with plug-and-play
- 12..48 VDC power input, redundant
- Effective overvoltage protection
- Potential free alarm relay contact
- Operation temperature range -40..+75 °C
- Vibration proof and shock resistant

Specifications

General

Type Ethernet to VDSL2 extender

Downlink (Twisted-Pair)

Number of Ports 1

Type VDSL: RJ-45 Twisted-pair telephone

Connector RJ-45 jack, shielded

Cable Type Twisted-pair telephone

Power Supply (DC)

Input Voltage 12..48 VDC

Power Consumption 4.8W

Connector Screw terminal

Mechanical

Dimensions 36.6 mm x 140 mm x 95 mm

Housing Color black

Mounting DIN35 rail, Wall plate

Reliability

MTBF 260895 h

Uplink (Twisted-Pair)

Number of Ports 1

Type Fast Ethernet, 10/100Base-T(X)

Connector RJ-45 jack, shielded

Cable Type Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m

Display

Type 7 LEDs, color coded

Power Power 1/2
green: power on

Link blinking: Transmitting
green: link
off: link down

Speed on: 100 Mbps
off: 10 Mbps

Environment

Operating Temperature -40..75 °C

Storage Temperature -40..85 °C

Relative Humidity 5..95%, non condensing

Standards Compliance

CE Mark CE

IEEE (Ethernet) IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX

Other EN61000-6-2
EN61000-4-2 (ESD)
EN61000-4-3 (Radiated RFI)
EN61000-4-4 (Burst)
EN61000-4-5 (Surge)
EN61000-4-6 (Induced RFI)
EN61000-4-8 (Magnetic Field)
EN61000-4-11 (Voltage Dip)
EN61000-3-2 (Harmonics Current)
EN61000-3-3 (Voltage Fluctuation & Flickers)
IEC60068-2-6
IEC60068-2-27
IEC60068-2-32

Order Information

Description

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Fast Ethernet VDSL Extender, 10/100Base-TX via 2-wire cables (RJ-45 jack) up to 88 Mbps, 12..48 VDC Power Supply, redundant connection

MS655020X

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