ADATIS

2Wire Converter

Description

┐ 2Wire to Ethernet gateway in a compact housing for Ethernet and power via 2 wire pairs.

┐ Can be combined with 2WIRE Converter DIN in any fashion

┐ Transmits data according to the Nessum Wire (IEEE1901) standard for robust transmission over distances of up to 1000m and at up to 100 Mbits/s

┐ Bus-capable for up to 128 nodes on the same 2Wire line

┐ Data is encrypted with AES-128bit; pairing button for easy negotiation of a secret password

┐ Uses any (voltage free) cabling

┐ 2-wire cabling is polarity-free

┐ Connected devices are powered with up to 90W Power-over-Ethernet (PoE++)

┐ Power supply via the same pair of wires for all connected 2Wire devices

┐ PD box: Operation on a PoE switch/injector and transfer of power to the 2Wire line

┐ PSE box: Remote Ethernet port with PoE+

┐ LEDs for easy status checking: 2Wire Power and Link and Ethernet Link/Act

┐ Compact plastic housing suitable for wall-mounting or free-standing installation

Ethernet with Power-over-Ethernet via 2Wire
via any pair of (voltage-free) wires

LAN Interface

- FastEthernet 100BASE-TX, Auto-MDIX
- RJ45 connector
- PoE-PD: IEEE 802.3bt/at/af
- PoE-PSE: IEEE 802.3at/af

2-WIRE Interface

- Data transfer speed: max. 100 Mbit/s
- Distance: max. 1000 m
- Pluggable terminal block, 3.5mm pitch

LED Indicators

- Ethernet Link Status
- Ethernet Activity
- Power LED
- 2Wire Link LED

Power Supply

- PoE PD (802.3bt/at/af)
- PoE PSE (802.3at/af)
- Power consumption: app. 1W

Environmental Conditions

- Temperature Range: -20°C ~ +50°C
- Humidity: 5% ~ 95%, non-condensing

Compliance

- Nessum Wire (IEEE1901)
- CE compliant
- EN55022, EN61000-3-2, EN61000-3-3, EN55024

Content of Delivery

2Wire Set:
- 1x 2Wire Converter PD
- 1x 2Wire Converter PSE

PRODUCT TYPE	ORDER CODE
2Wire Set	2WSET
2Wire PD-Box	2WPD
2Wire PSE-Box	2WPSE

2WIRE SET

Ethernet/PoE Out

PSE Box — 2WConv-PSE

PD Box — 2WConv-PD

PoE-Switch

2WIRE SET DIN

Ethernet/PoE Out

PSE Box — 2WConv-PSE

PD Box

PoE-Switch

99.50
81.50
30
16.25