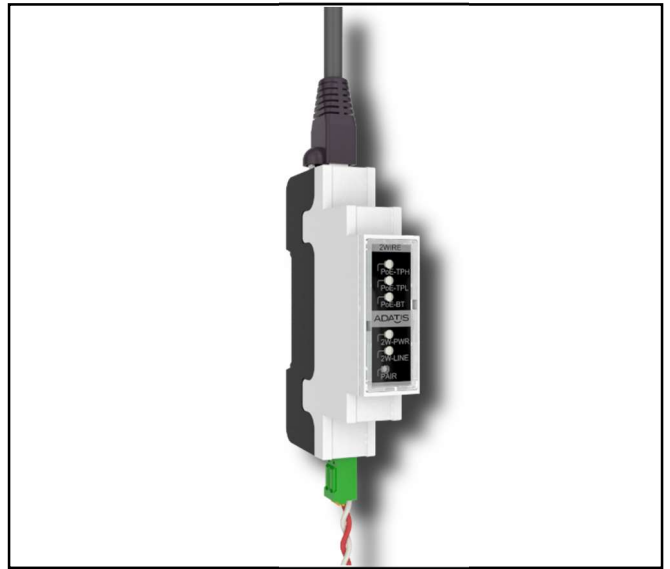


ADATIS



2WIRE CONVERTER

Description

- 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 1024 nodes on the same 2Wire line
- Data is encrypted with AES-128bit; pairing button for easy negotiation of a secure connection
- 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
- PD box: Use of a 48-56V DC plug power supply for non-PoE installations
- PSE box: Remote Ethernet port with PoE
- PSE box: voltage output 12VDC for supplying non-PoE devices
- DIN rail housing with 1TU width

Ethernet with Power-over-Ethernet via 2Wire

via any pair of (voltage-free) wires

Specifications

LAN Interface

- FastEthernet 100BASE-TX, Auto-MDIX
- RJ45 connector
- PoE-PD: IEEE 802.3bt/at/af
- PoE-PSE: IEEE 802.3bt/at/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
- PoE++ Status
- PoE-PSE Status
- 2Wire Power
- 2Wire Link Quality/Activity

Power Supply

- PoE PD (802.3bt/at/af)
- DC plug: inner \varnothing 2.55mm, outer \varnothing 5.5mm
- DC-Input (only PD-Box): 48-56VDC @ 2A max.
- DC-Output (only PSE-Box): 12V, 1.2A
- Power consumption: app. 1.5W

Environmental Conditions

- Temperature Range: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- 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 Box PD
- 1x 2Wire Converter Box PSE

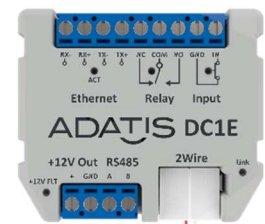
PRODUCT TYPE	ORDER CODE
2Wire Set – DIN rail housing	2W6100
2Wire PD-Box – DIN rail housing	2W6110
2Wire PSE-Box – DIN rail housing	2W6120

2WIRE SET

Ethernet/PoE Out



DC1E / DC2



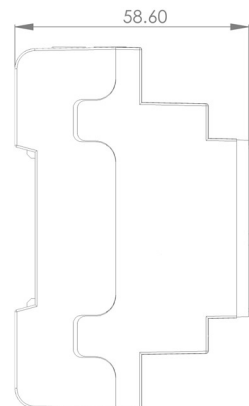
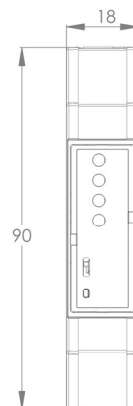
PSE Box

PD Box

PoE-Switch

PD Box

PoE-Switch



ADATIS

adatec GmbH • Kutzerst. 30 • Fuerth • Germany
Info@adatis.com • www.adatis.com • www.adatec.eu