ADATIS

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

¬Transmits data according to standard HD-PLC (IEEE1901) for robust transmission over distances of up to 1000m and with up to 100 Mbits/s

¬Data is encrypted with AES-128bit; pairing button for easy privacy

¬Uses any (voltage-free) cabling

¬2Wire polarity agnostic

¬Connected devices are powered with up to 25W Power-over-Ethernet (PoE)

¬2Wire Converters are powered via the same wire-pair

¬48-56V DC plug power supply for non-PoE installations

¬PD box: Operation at the PoE switch and transmission of the power via the 2Wire line

¬PSE box: Operation on the 2Wire line and transfer of the power supply to the Ethernet port for the supply of connected PoE devices

¬PSE box: 12VDC power output for powering none PoE-devices

¬DIN rail or stainless steel desk top housing

2Wire Converter
¬for Ethernet via any pair of wires

SPECIFICATIONS

LAN INTERFACE
- ¬ FastEthernet 100BASE-TX, Auto-MDIX
- ¬ RJ45 connector
- ¬ PoE-PD: IEEE 802.3af and 802.3at
- ¬ PoE-PSE: IEEE 802.3af, max. 25W

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-Plus Status
- ¬ PoE-PSE Status
- ¬ 2Wire Power
- ¬ 2Wire Link Quality/Activity

POWER SUPPLY
- ¬ PoE PD (802.3af/at)
- ¬ 48-56V DC plug power, inner Ø 2.55mm, outer Ø 5.5mm
- ¬ power consumption app. 1.5W

ENVIRONMENTAL CONDITIONS
- ¬ Temperature Range: -40 ℃ ~ +60 ℃
- ¬ Humidity: 5% ~ 95%, non cond.

COMPLIANCE
- ¬ 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

- ¬ 2Wire Option (only in combination with Adatis terminal):
  1x 2Wire Converter Box PD
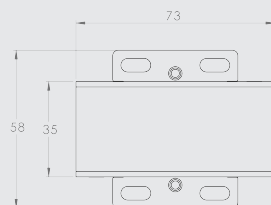 1x Piggyback PCB for Adatis-Terminal (factory installed)

ORDERING INFORMATION

PRODUCT TYPE	ORDER CODE
2Wire Set - Desktop housing	2W5300
2Wire Set - DIN rail housing	2W5200
2Wire PD-Box - Desktop housing	2W5310
2Wire PD-Box - DIN rail housing	2W5210
2Wire PSE-Box - Desktop housing	2W5320
2Wire PSE-Box - DIN rail housing	2W5220

2WIRE SET

Ethernet/PoE Out

PSE Box

2Wire Transmission
Data and Power
up to 1000m

PD box

PoE-Switch

2WIRE OPTION

Adatis-Terminal
with 2Wire Option

PoE-Switch

73
58 35
73 24
18
90
24
58.60