



The 2-Wire-LAN system

Long range ethernet extension over two wires with PoE



Features

Full-duplex high speed Ethernet data signal over two wire cable

Automatic negotiation data throughput

High data rate - up to four IP Intercoms and Mega-pixel cameras

IEEE 802.3 af/at compliant PoE for IP Intercom and IP camera power supply

Plug & Play configuration, no IP address, no network setup needed

LED indicator for installation - Power, Link and and Data traffic status

Using your standard two wire cable, you can extend data signal 10/100 BaseT to a distance of maximum 300m.

Use legacy analogue wires of your old intercom or cctv to connect your IP camera, IP intercom, IP phone and other IP devices.

Advantage of the 1:4 system: The 2-Wire-LAN master unit can support up to 4 slave units

Any 2-Wire-LAN unit can be master or slave, the units are the same

The selected master unit is powered via a 48VDC power supply adapter

Up to four PoE powered IP devices can be connected via slave units to one 2-Wire-LAN master unit



HW specification

Ethernet Interface

Connector Type: RJ45
 Speed : 10/100 Base T, half/full duplex, auto-negotiation
 IEEE 802.3 af/at Compliant PoE

2-Wire-LAN unit Interface

Connector Type: two wire, 18/2, Cat 5., Cat 6. or similar
 Impedance: 25 to 100Ohm
 Transmission Coverage: up to 300m at 4-pair Cat6

Cable transmission method

Access method: CSMA / CA and TDMA
 Modulation method: Windowed OFDM
 Frequency band: 1.8 MHz to 30 MHz

LED Indicators

Power: Blue - Power ON
 TWP: Green - Link ON
 PoE: Green - Link ON

AC to DC Power Supply

Input AC: 100~240VAC, 50~60Hz
 Output DC: 48VDC/1.3A

Dimensions: 40x40x75mm (HxWxL)

Weight: 120g

Material: Extruded Aluminum

Operating temperature: -10°C to +50°C

Storage Temperature: -30°C to +70°C

