



## The 2-Wire-LAN system

Long range ethernet extension over two wires with PoE



### Features

- ✓ Full-duplex high speed Ethernet data signal over two or three wire cable
- ✓ B „Boost“ port for increased data transmission up to 1,000Mbps
- ✓ 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 or three wire cable, you can extend data signal 10/100/1000 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 : 10/100/1000 Base T, half/full duplex, auto-negotiation  
 IEEE 802.3 af/at Compliant PoE  
 IEEE 802.3 af/at Compliant PoE+ 40Watts (for max. 100m)

### 2-Wire-LAN unit Interface

Connector Type: 3 port terminal block  
 Supported cable: 2/3 wire, 18/2, Cat 5., 6.,7 or similar  
 Impedance: 25 to 100Ohm  
 Transmission Coverage: up to 300m at 4-pair Cat6

### Cable transmission method and others

Access method: CSMA and TDMA  
 Modulation method: OFDM, QPSK, BPSK  
 Frequency band: 3.5 MHz to 190 MHz  
 Security: 128 Bit AES CCMP Encryption  
 Power consumption: 3W

### 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

