ALLNET Media Converter Network & PoE over 2 Wire Set AT

EAN CODE

4 0 3 8 8 1 6 1 9 5 4 5 6

Highlights:

- PoE and power via two-wire
- IEEE802.3af/at
- Data rate max. 200Mbps
- Maximum distance: 500m via two-wire
- DIP switch for power output: 12VDC/2A or PoE
- An optional 48VDC~57VDC power supply is required at the master (see accessories)

Overview

The ALL-MC303P2WIRE set offers you the possibility to establish both data and PoE over a 2-wire connection. The max. Cable length can be max. 500m. The master has to be powered with a power supply and feeds both the slave adapter and the PoE end device at the slave with data and power. The set is suitable for upgrading analog systems through an existing cable infrastructure. The compact size of the media converter is perfect for replacing old door stations with a new IP door station. The ALL-MC303P2WIRE set offers the additional option that the power supply of the respective end device can be done either via PoE or optionally with 12VDC/2A at the slave. This flexibility allows to supply PoE as well as non-PoE end devices with power "provided that the end device can work with 12VDC - example: some surveillance cameras, network building control centers "ALL3419 / ALL4175" etc.".
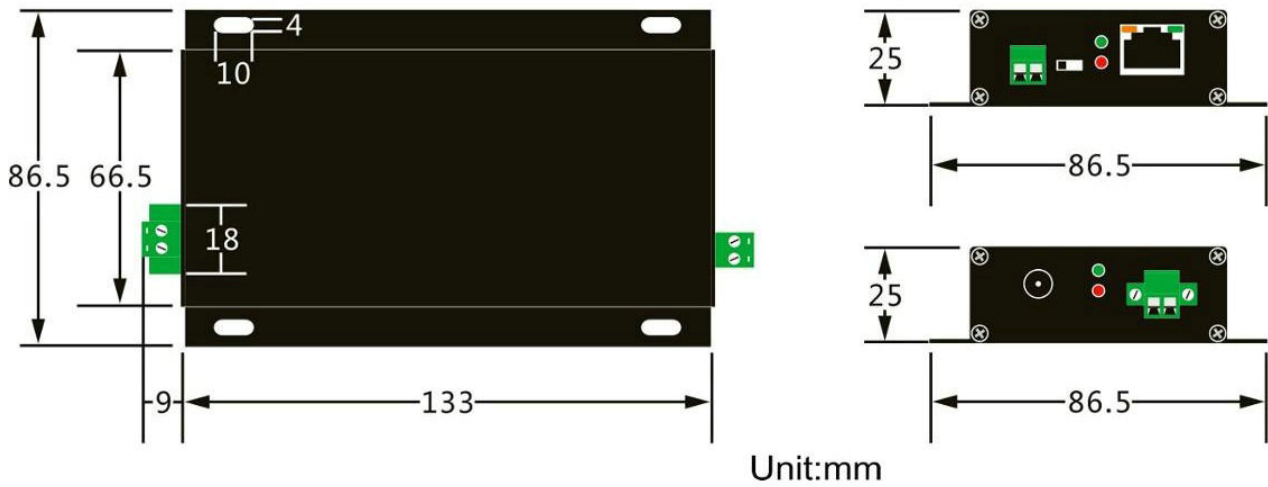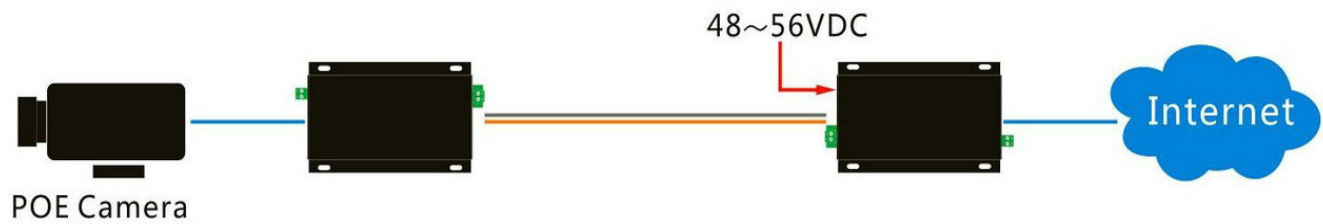
Dimension:

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Unit:mm

Diagram:

48~56VDC

POE Camera

Internet

PoE Power Loss Diagram:
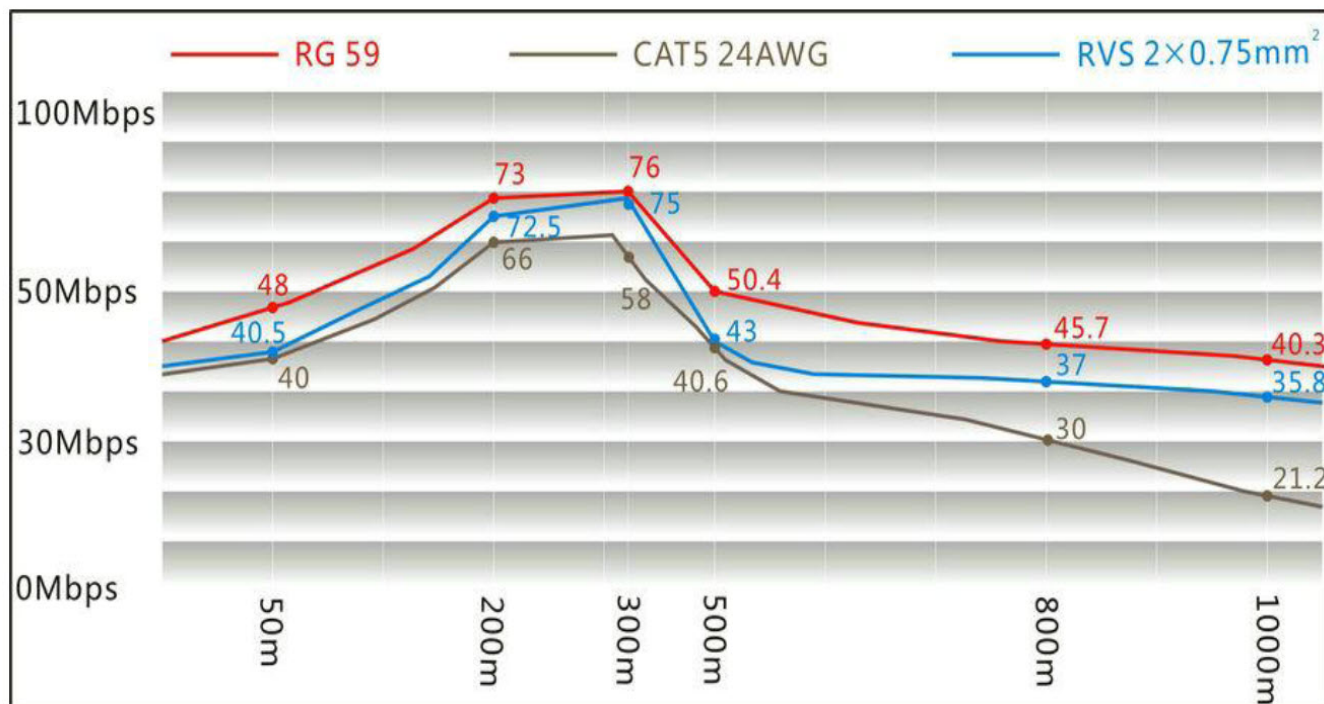
Technical Details:

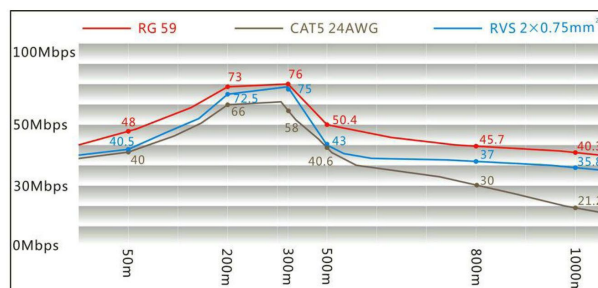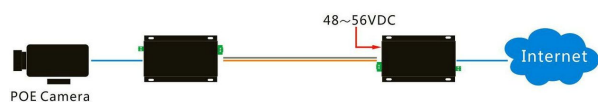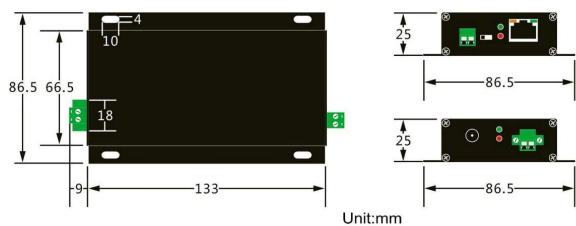| Ethernet	
Netzwerk Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3af Power over Ethernet PoE IEEE 802.3at Power over Ethernet PoE IEEE1901 PLC
Up down Agreement	CSMA/CA
Transmission / Rate	500Mbps Physical Bandwidth 88Mbps Transmission Speed
Cabling	Cat5 or above
Maximum Distance	100m
Connector	1x RJ45
Twisted Pair	
Cabling	Twisted pair
Connector	2-pin terminal block
Distance	up to 500m@24AWG
Datarate Downlink	Up to 200Mbps
Datarate Uplink	Up to 200Mbps

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Technology	Powerline Communication (PLC)
Electric and Mechanical	
Input Power	48-57VDC (Terminal Block)
Power Consumption	?3.5W / PC
PoE Standard	IEEE802.3af/at
Output Power	Standard 48VDC; IEEE802.3af
Port	RJ45
Dimmension (W x D x H)	133mm x 85,5mm x 25mm
Casing	Aluminium Case
Environmental	
Operating Temperature	-20°C to 60°C
Relative Humidity	<95% (Non-condensation)

Additional Images

Unit:mm

POWER   LINE
DC 48-56V   Line   Power   − +

DC 12V   Act   Line
+ −   ▶ PoE   PoE
◀ DC 12V   DC OUT   LAN

48~56VDC

POE Camera   Internet

Accessories

Part No.	Name
134034	ALLNET ALL-B100-24VDC / Power-Booster 24VDC to 48~55VDC 90W
140523	Mean Well power supply - 48V 75W DIN rail, narrow
140522	Mean Well power supply - 48V 120W DIN rail, narrow
146994	Mean Well Power Supply - 48V 480W DIN Rail
119067	ALLNET Ersatznetzteil 55V/2A für z.B. ALL048900 oder andere PoE Endgeräte
115128	ALLNET / ALL95101 TP Cat 6 / ADSL / VDSL / ISDN Surge protec

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