

ALLNET Media Converter Network & PoE over 2 Wire Set AF/AT "ALL-MC302v2P2WIRE-Set" incl. external power supply unit

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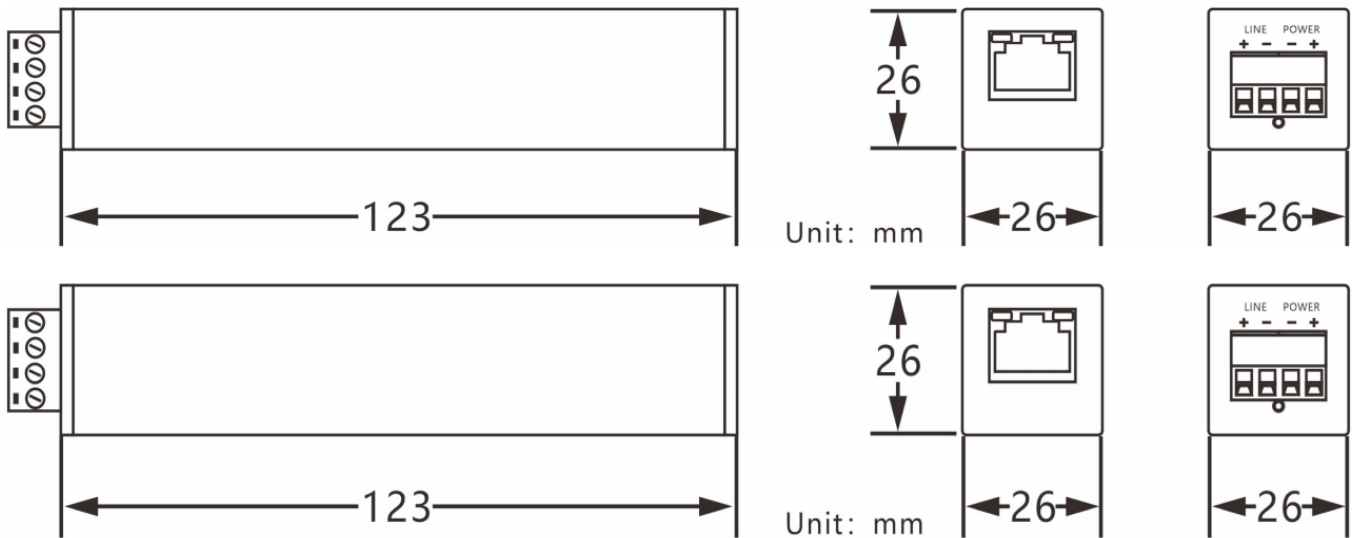
Highlights:

- PoE and power via two-wire
- IEEE802.3af & **now NEW for v2 series: IEEE802.3at**
- Data rate max. 200Mbps
- Maximum distance: 500m via two-wire
- The master requires a 48VDC~57VDC power supply unit which is included, for optional power supply units see accessories
- Incl. power supply

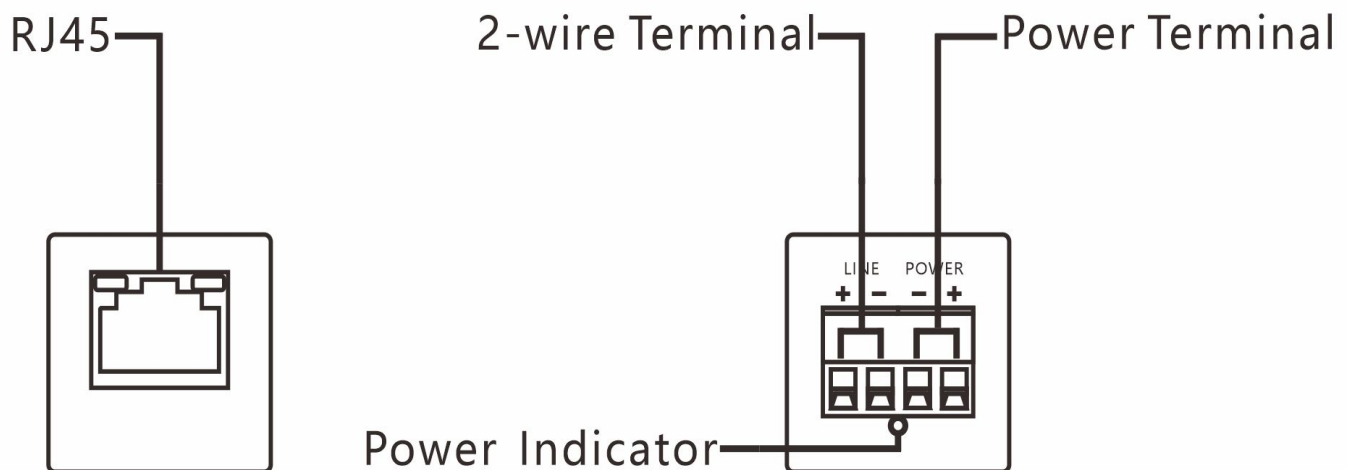
Overview

The ALL-MC302v2P2WIRE set offers you the option of setting up both data and PoE via a 2-wire connection. The max. Cable length can be max. 500m. The master must be supplied with power via a power supply unit and supplies both the slave adapter and the PoE end device on the slave with data and power. The set is suitable for upgrading analogue 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.

Dimension:



Interface description:



Connection diagram:

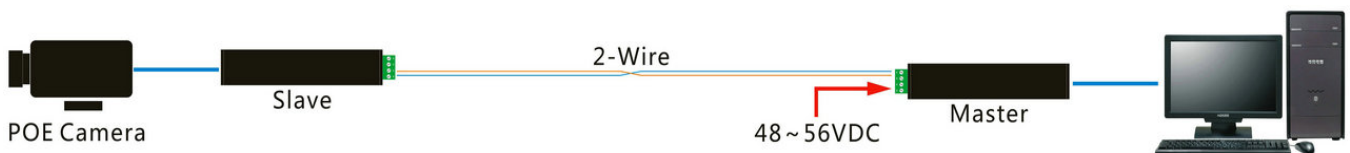


Table power, bandwidth and distance

Receiver <- -> Transmitter	Cable 2x0.75 mm ²	
Receiver power supply type	DC 48-56 (30 W)	DC 48-56 (60 W)



Distance 100 M	Bandwidth (Mbps)	83	83
	PoE (W)	27	27
Distance 200 M	Bandwidth (Mbps)	82	82
	PoE (W)	26.5	27
Distance 300 M	Bandwidth (Mbps)	80	80
	PoE (W)	26.3	27
Distance 400 M	Bandwidth (Mbps)	78.2	78.2
	PoE (W)	22.8	27
Distance 500 M	Bandwidth (Mbps)	76	76
	PoE (W)	18.2	26.5
Receiver <- -> Transmitter		Coaxial cable	
Receiver power supply type		DC 48-56 (30 W)	DC 48-56 (60 W)
Distance 100 M	Bandwidth (Mbps)	84.2	84.2
	PoE (W)	26.6	27
Distance 200 M	Bandwidth (Mbps)	83.4	83.4
	PoE (W)	26.2	27
Distance 300 M	Bandwidth (Mbps)	82	82
	PoE (W)	26	27
Distance 400 M	Bandwidth (Mbps)	80	80
	PoE (W)	22.2	27
Distance 500 M	Bandwidth (Mbps)	79	79
	PoE (W)	17.8	26

Note:

Actual data speed and PoE performance may vary depending on environmental conditions and cable quality.

Technical details:

Ethernet	
Network 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 500Mbps
Datarate Uplink	Up to 500Mbps
Technology	Powerline Communication (PLC)
Electric and Mechanical	
Input Power	48-57VDC (terminal block)
Power Consumption	=3.5W / PC
PoE standard	IEEE802.3af / IEEE802.3af "ONLY FOR v.2 SERIES"
Output power	Standard 48VDC; IEEE802.3af / IEEE802.3at "from v2 series"
Port	RJ45
Dimming (W x D x H)	123mm x 26mm x 26mm
Weight	0.25kg
Casing	Aluminium case
Environmental	
Operating Temperature	-20°C to 60°C
Relative Humidity	<95% (Non-condensation)

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



Part No.: 195451
Vendor Part No.: ALL-MC302P2WIRE-Set

Part No.	Name
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
208856	ALLNET Medien Konverter Netzwerk & PoE over 2 Wire zbh. Grüne Netzteil-Ersatzstecker 2 Stück/2pcs