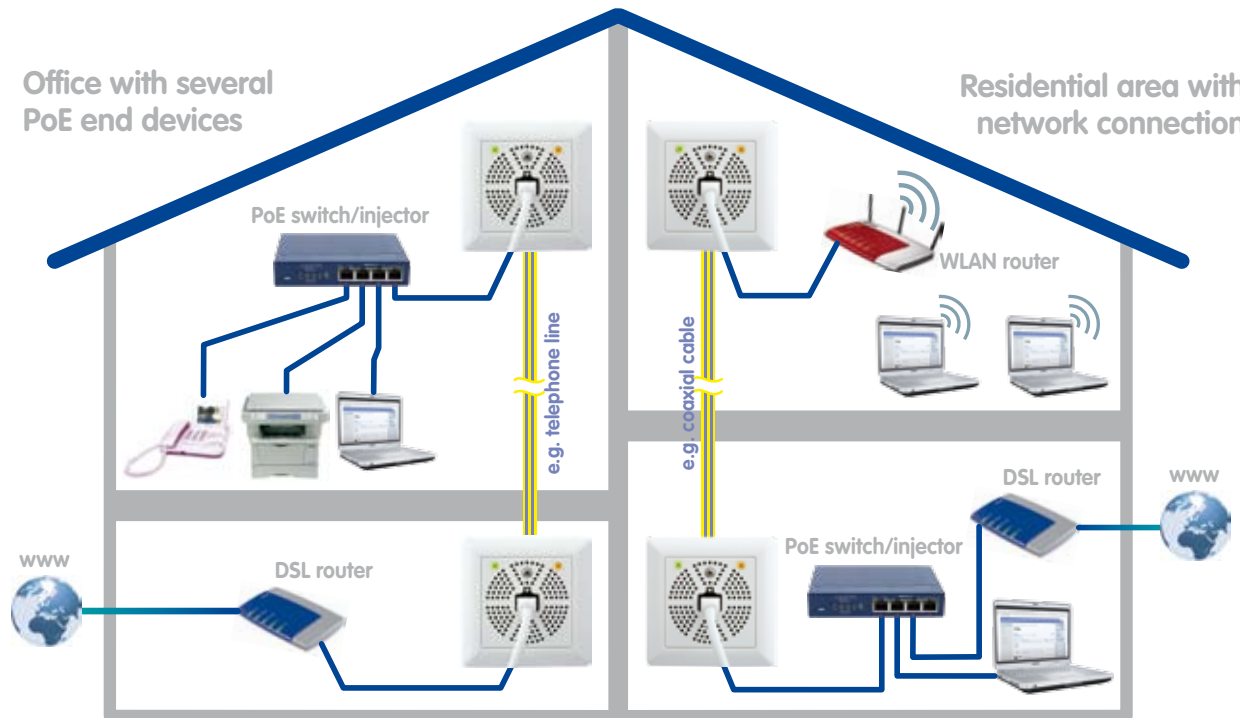
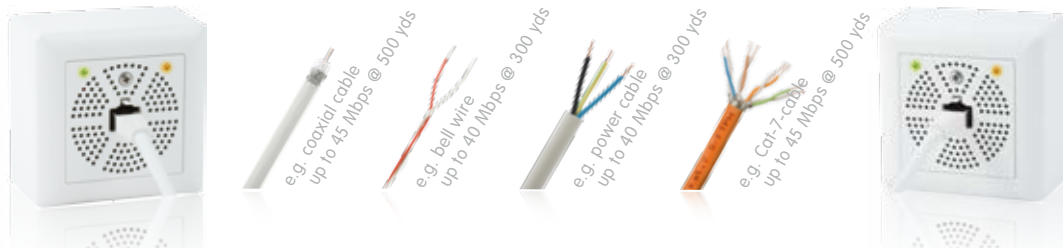


Mx2wire+ Media Converter



Ethernet with PoE. Using 2-Wires.

Mx2wire+ turns an existing two-wire cable into a modern multimedia cable – simply, quickly and cost-effectively.



Mx2wire+ – The MOBOTIX Media Converter ...

- Mx2wire+ transfers both data and power according to the PoE standard!
- Mx2wire+ does not require a separate power connection!
- Mx2wire+ uses existing telephone, power or antenna cables and therefore eliminates the enormous amount of time and effort normally required for cabling!
- Mx2wire+ is a quality product designed and manufactured entirely in Germany!

... only \$448 * for the complete set (two Mx2wire+ devices with three exchangeable panel frames)

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009
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Multiple Application Possibilities

Mx2wire+ can also connect a PC to the internet via an unused telephone line or an antenna cable. A set of devices, consisting of two Mx2wire+ units, costs \$448. The system was developed by MOBOTIX, manufactured in Germany and can also be used in the new IP door intercom systems.

Technical Specifications Mx2wire+ Media Converter







Models	Mx2wire+ set pure white (additional models in development)
Data transfer speed	Up to 50 Mbps (depending on distance); see table below
Max. range	500 yds (up to 45 Mbps)
Interfaces	Front: RJ45 (Fast Ethernet, PoE), DC jack Rear: Screw terminals to attach the two-wire cable power supply connection
Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)
Power supply (Mx2wire+ & end device)	Feed: PoE, PoE+ or 48-57 V DC Own consumption: 6 W, power output: up to 13 W

Status display	Status LED 1: Network connection, power supply Status LED 2: Active data transfer via AB wire, user connected to the opposite side
Weight	770 g (per packaging unit, set)
Operating temperature	(-22 to +122 °F)
Dimensions	3,15" x 3,15" x 1,50" (in-wall model) 3,15" x 3,15" x 1,77" (on-wall model)
Standard delivery	Mx2wire+ media converter set (color: pure white), mounting parts, various panel frames, manual

Technical information subject to change without notice!


Mx2wire+


Components (Shipped With Every Mx2wire+ Set)


 <p>Mx2wire+ set MX-2wirePlus-Set-PW (pure white)</p> <p>An existing Mx2wire+ set contains all components necessary to set up an Ethernet connection using a two-wire cable (telephone, coaxial, bell wire, Cat. 7).</p> <p>Each set is supplied with a sender/receiver unit, as well as accessories for in-wall or on-wall assembly and manual. The set is available in pure white at present.</p>	 <p>Circuit board</p> <ul style="list-style-type: none"> • 2x Mx2wire+ circuit board and housing 	 <p>Panel frames</p> <ul style="list-style-type: none"> • 6x white concave, convex and flat frames (two of each) 	 <p>Front panels</p> <ul style="list-style-type: none"> • 2x front panel 	 <p>Surface-mounted Socket</p> <ul style="list-style-type: none"> • 2x white surface-mounted socket 	 <p>Accessories</p> <ul style="list-style-type: none"> • 2x cavity socket • Mounting parts
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Comparative Tables For The Transfer Rates Of Data And Power

Antenna or coaxial cable	Thickness	Length		
		50 yds	100 yds	500 yds
	23 AWG Inner conductor	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 11 W	Data: 45 Mbps Power Out: -

Telephone line/bell wire	Thickness	Length		
		50 yds	100 yds	200 yds
	23 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 8 W
	20 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W

Installation cable	Thickness	Length		
		50 yds	100 yds	200 yds
	15 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W

Network installation cable	Type	Length (Use of All 4 Wire Pairs: Combine 4x white and 4x colored and attach wire-end sleeves)		
		200 yds	300 yds	500 yds
	Cat-7	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 45 Mbps Power Out: 12 W

Mx2wire+ requires a voltage supply by a standard PoE switch (class 0 or class 4, IEEE 802.3af/at) for its own consumption as well as for supplying power to the connected PoE end device. This can either be the NPA-PoE-Set by MOBOTIX or a DC power supply unit (48-57 V, 600mA).