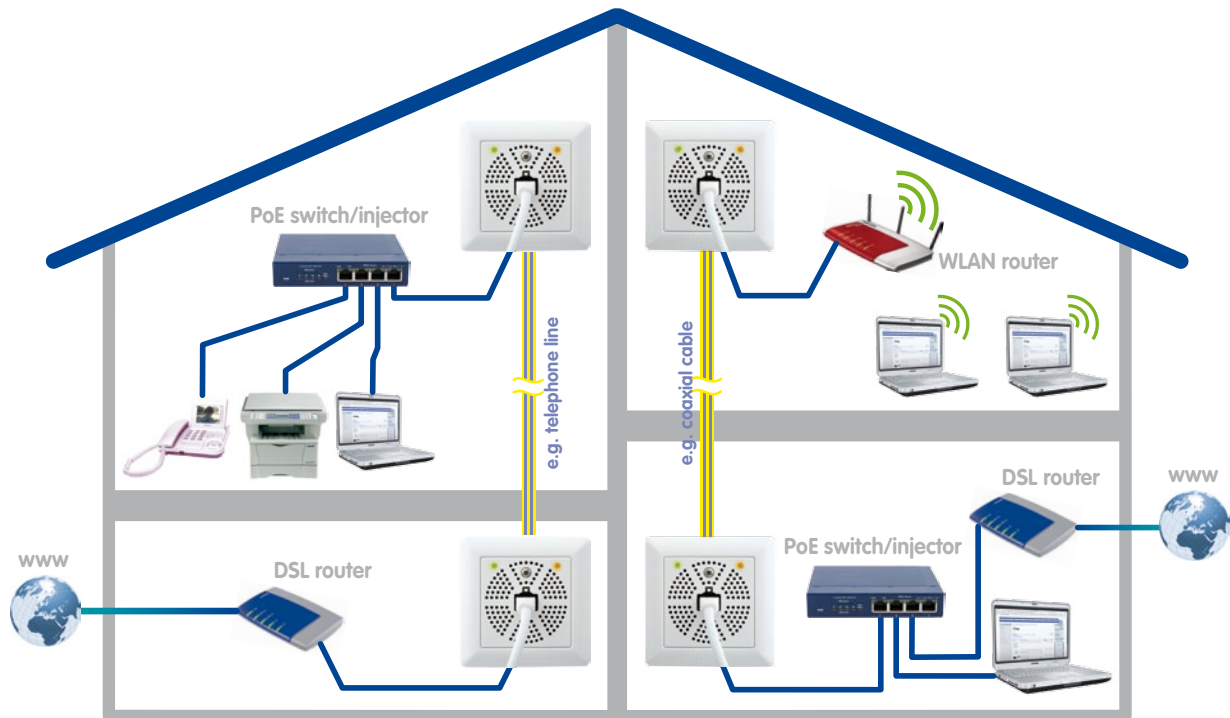
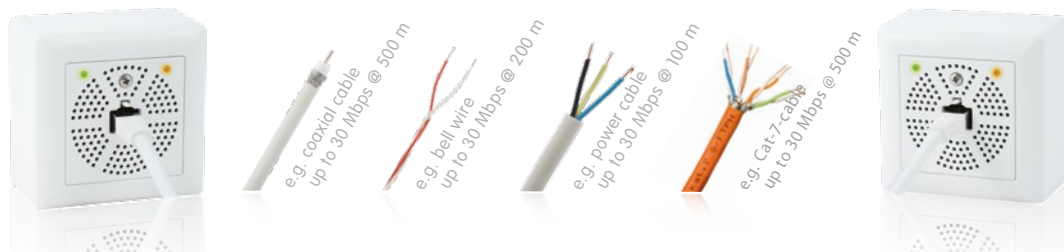


Mx2wire Media Converter



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 nuses 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!


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 298 Euro. 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 30 Mbps (depending on distance); see table below
Max. range	500 m (up to 30 Mbps)
Interfaces	Front: RJ45 (Fast Ethernet, PoE), DC jack Rear: Screw terminals to attach the two-wire cable
Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)
Power supply	Mx2wire modules are supplied via PoE (3 watts per module) PoE (IEEE802.3af – based on capacity, 7 watts to PoE device)
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	100 g
Operating temperature	-30 to +60°C (-22 to +140 °F)
Dimensions	80 mm x 80 mm x 38 mm (flush-mounted model) 80 mm x 80 mm x 45 mm (on-wall model)
Standard delivery	Mx2wire media converter set (color: pure white), mounting parts, various panel frames, manual


Mx2wire	Components (Shipped With Every Mx2wire Set)				
<p>Mx2wire set MX-2wire-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 one is supplied with a sender/receiver unit, as well as accessories for flush-mounting or on-wall assembly. 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

Comparative Tables For The Transfer Rates Of Data And Power

Antenna or coaxial cable	Thickness	Length		
		50 m	100 m	500 m
	0.6 mm Inner conductor	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1	Data: 30 Mbps PoE Class: keine

Telephone line/bell wire	Thickness	Length		
		50 m	100 m	200 m
		0.6 mm	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1
0.8 mm	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1	

Installation cable	Thickness	Length		
		50 m	100 m	200 m
	1.5 mm ²	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 25 Mbps PoE Class: 2

Network installation	Type	Length (Use of All 4 Wire Pairs: Combine 4x white and 4x colored and attach wire-end sleeves)		
		200 m	300 m	500 m
	Cat-7	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2