



## Technical Specifications Mx2wire+ Media Converter

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

<b>Status display</b>	<b>Status LED 1:</b> Network connection, power supply <b>Status LED 2:</b> Active data transfer via AB wire, user connected to the opposite side
<b>Weight</b>	770 g (per packaging unit, set)
<b>Operating temperature</b>	-30 to +50 °C
<b>Dimensions</b>	80 mm x 80 mm x 38 mm ( <b>flush-mounted model</b> ) 80 mm x 80 mm x 45 mm ( <b>on-wall model</b> )
<b>Standard delivery</b>	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><b>Mx2wire+ set</b> 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). Each one is supplied with a sender/receiver unit, as well as accessories for flush-mounting or on-wall assembly and manual. The set is available in pure white at present.</p>	<p><b>Circuit board</b></p> <ul style="list-style-type: none"> <li>• 2x Mx2wire+ circuit board and housing</li> </ul>	<p><b>Panel frames</b></p> <ul style="list-style-type: none"> <li>• 6x white concave, convex and flat frames (two of each)</li> </ul>	<p><b>Front panels</b></p> <ul style="list-style-type: none"> <li>• 2x front panel</li> </ul>	<p><b>Surface-mounted Socket</b></p> <ul style="list-style-type: none"> <li>• 2x white surface-mounted socket</li> </ul>	<p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• 2x cavity socket</li> <li>• Mounting parts</li> </ul>
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## Comparative Tables For The Transfer Rates Of Data And Power

Antenna or coaxial cable	Thickness	Length		
		50 m	100m	500 m
	0.6 mm 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 m	100 m	200 m
	0.6 mm	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 8 W
	0.8 mm	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 m	100 m	200 m
	1.5 mm <sup>2</sup>	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W

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: 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).