

# MPT2-0201-M Series

Compact Industrial PoE+ Media Converter

- 1\*10/100Tx with PoE-PSE (30W/Port) + 1\*100Fx, 48-55VDC Power Input



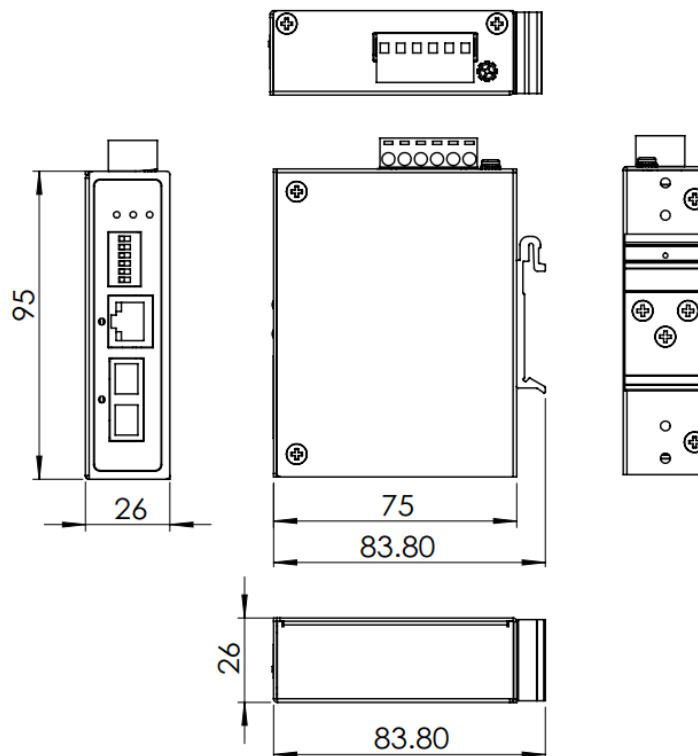
## Feature



- 1-port 10/100Tx Fast Ethernet with IEEE 802.3at Compliant PoE+
- 1-port 100Fx SC/ST Connector (Multi/Single-Mode)
- Selectable Link-Fault-Pass Function Support
- Compact Design to Solve Space Constraint Installation
- Complete Transmission Control Setup by Dip-Switch for Accommodating of Various Legacy Devices
- Redundant Power Inputs Design, 48-55VDC
- Built-in Relay for Power Redundancy Failure Warning
- Supports DIN-Rail Mounting and Wall Mounting
- Tested at Heavy Industry EMS Level for the Best Electro-Magnetic Susceptibility
- Operating Temperature Range - STD: -10°C ~ 70°C, EOT: -40°C ~ 80°C



## Dimensions (unit = mm)



# Specifications

## Technology

<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3af/at Power over Ethernet
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control

## Switch Properties

<b>Memory Buffer</b>	128Kbits
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## Interface

<b>RJ45 Ports</b>	1*10/100BaseT(X) with PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>Fiber Port</b>	1*100Fx SC/ST type connector Multi-mode - 50/125um or 62.5/125um Single-mode - 9/125um or 10/125um
<b>LED Indicators</b>	Power 1, Power 2, Fault: On/Off Fiber Port: On-Link/Flash-data transmitting Ethernet Port: On-Link/Flash-data transmitting PoE : On-connected to PD device
<b>Wavelength</b>	Depends on Fixed Fiber modules

## Power Requirements

<b>Input Voltage</b>	48-55VDC, Redundant Inputs
<b>Overload Current Protection</b>	Present (Slow-Blow Fuse)
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Power Consumption</b>	2.4Watts
<b>Max. PoE Power Budget</b>	30Watts
<b>Relay Contact</b>	24VDC, 1A resistive

## Mechanical Characteristics

<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	26 x 95 x 75 mm (W x H x D)
<b>Weight</b>	Unit Weight: 0.3kg, Shipping Weight: 0.4kg
<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting

## Environmental Limits

<b>Operating Temperature</b>	STD: -10°C ~ 70°C (14°F ~ 158°F); EOT: -40°C ~ 80°C (-40°C ~ 176°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

## Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
<b>EMS</b>	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6

Green

RoHS Compliant

Warranty

5 Years

Due to continuous improvement, all product specifications are subject to change without further notice.

## Ordering Information

<b>MPT2-0201-M</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Multi-mode, 2km/1310nm)
<b>MPT2-0201-M-T</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Multi-mode, 2km/1310nm), Extended Operating Temperature: -40° to 80° C
<b>MPT2-0201-ST</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Multi-mode, 2km/1310nm)
<b>MPT2-0201-ST-T</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Multi-mode, 2km/1310nm), Extended Operating Temperature: -40° to 80° C
<b>MPT2-0201-S3</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Single-mode, 30km/1310nm)
<b>MPT2-0201-S3-T</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Single-mode, 30km/1310nm), Extended Operating Temperature: -40° to 80° C
<b>MPT2-0201-STS3</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Single-mode, 30km/1310nm)
<b>MPT2-0201-STS3-T</b>	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Single-mode, 30km/1310nm), Extended Operating Temperature: -40° to 80° C

\* More optical options upon request

### Optional Accessories

<b>EDR-75-48</b>	75W Industrial DIN-Rail Power Supply, 48VDC
<b>NDR-75-48</b>	75W Industrial DIN-Rail Power Supply, 48VDC