

MPT2-0201-M Series

Compact Industrial PoE+ Media Converter

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



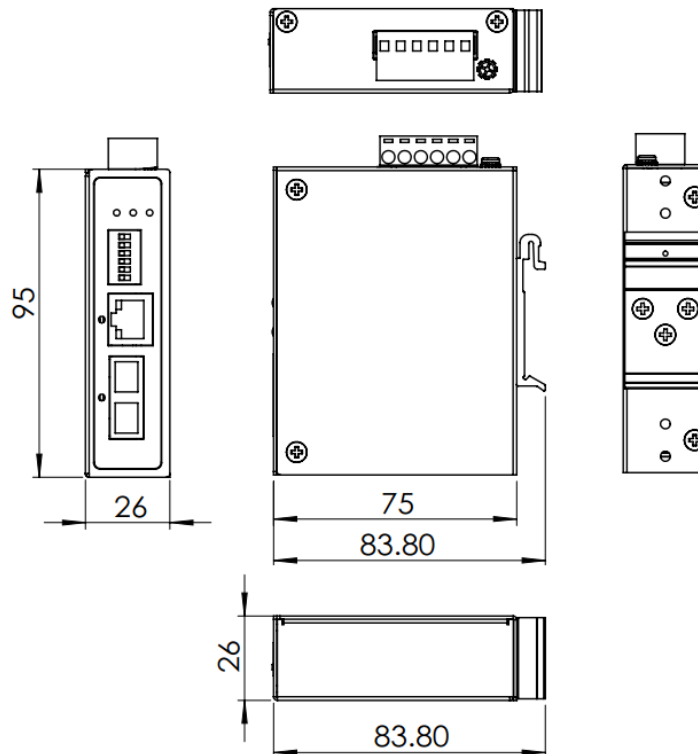
Feature



- 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

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

Memory Buffer	128Kbits
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Interface

RJ45 Ports	1*10/100BaseT(X) with PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
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Fiber Port	1*100Fx SC/ST type connector Multi-mode - 50/125um or 62.5/125um Single-mode - 9/125um or 10/125um
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LED Indicators	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
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Wavelength	Depends on Fixed Fiber modules
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Power Requirements

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

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

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

EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
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EMS	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)
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Free Fall	IEC60068-2-32
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Shock	IEC60068-2-27
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Vibration	IEC60068-2-6
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Green	RoHS Compliant
Warranty	5 Years
Due to continuous improvement, all product specifications are subject to change without further notice.	

Ordering Information

MPT2-0201-M	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Multi-mode, 2km/1310nm)
MPT2-0201-M-T	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
MPT2-0201-ST	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Multi-mode, 2km/1310nm)
MPT2-0201-ST-T	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
MPT2-0201-S3	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (SC Connector, Single-mode, 30km/1310nm)
MPT2-0201-S3-T	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
MPT2-0201-ST53	Industrial PoE+ Media Converter - 1*10/100Tx with PoE-PSE (30W/Port) + 1*100Fx (ST Connector, Single-mode, 30km/1310nm)
MPT2-0201-ST53-T	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

EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC
NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC