

## MEG2-0201-M Series

Compact Industrial Media Converter

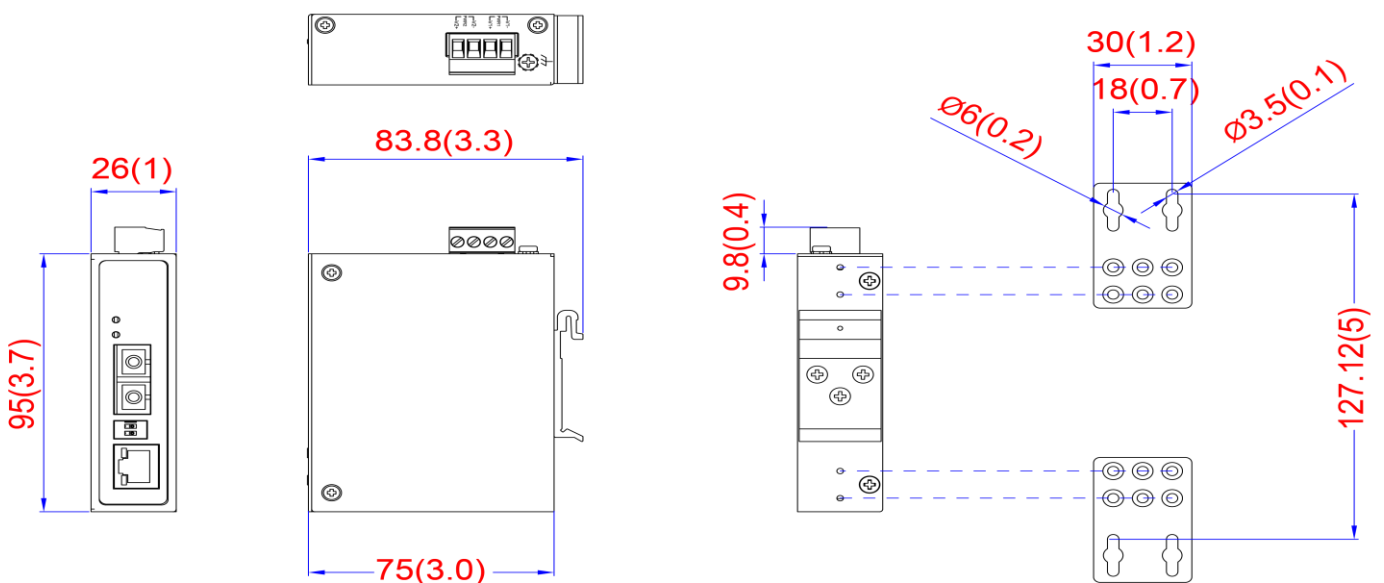
-1\*10/100/1000 Base-T(X) + 1\*1000X, 12-48VDC Power Input



- 1-port 10/100/1000Tx Gigabit Ethernet
- 1-port 1000X SC/ST Connector (Multi/Single-Mode)
- Selectable Link-Fault-Pass Function Support
- Compact Design to Solving Space Constraint Installation
- Redundant Power Input Design, 12-48VDC
- IP30 Rugged Metal Case Design
- 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



### Dimension



Unit: mm (inch)

Din-rail

Wall-mount

## Specification

### Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control

### Switch Properties

Switching Fabric (Back-Plane)-	4Gbps
Memory Buffer	1Mbits
MAC Table Size	8K
Jumbo Frame	10Kbytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet Port

### Interface

RJ45 Ports	1*10/100/1000Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Port	1*1000X SC/ST type connector Multi-mode - 50/125um or 62.5/125um, Single-mode - 9/125um or 10/125um
Wavelength	Depends on Fixed Fiber modules
LED Indicators	Power (PWR): On/Off Fiber Port (GFX): On-Link/Flash-data transmitting Ethernet Ports: On-Link/Flash-data transmitting

### Power Requirements

Input Voltage	Dual 12-48VDC redundant power input
Power Connection	1 removable 4-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 2.2W full loading

### Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	26 x 95 x 75 mm (1.0 x 3.7 x 3.0 inch)
Weight	Unit Weight: 0.27kg (0.59 lb), Shipping Weight: 0.39kg (0.85 lb)
Mounting	DIN-Rail Mounting, Wall Mounting

### Environmental Limits

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

### Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55024/EN61000-6-2 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)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201

Compliance	NEMA TS2 (ITS) – EoT version
Warranty	5 Years

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

## Packet Contents

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## Comparison Table

Model Name	10/100/1000T(X)	1000(F)X Fiber	1000(F)X Fiber Connector Type	Power Inputs	Operating Temperature
MEG2-0201-M	1	1	SC connector, Multi-Mode, 550m/850nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-M-T	1	1	SC Connector, Multi-mode, 550m/850nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-ST	1	1	ST Connector, Multi-mode, 550m/850nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-ST-T	1	1	ST Connector, Multi-mode, 550m/850nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-S1	1	1	SC Connector, Single-mode, 10km/1310nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-S1-T	1	1	SC Connector, Single-mode, 10km/1310nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-ST-S1	1	1	ST Connector, Single-mode, 10km/1310nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-ST-S1-T	1	1	ST Connector, Single-mode, 10km/1310nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-S4	1	1	SC Connector, Single-mode, 40km/1310nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-S4-T	1	1	SC Connector, Single-mode, 40km/1310nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-S6	1	1	SC Connector, Single-mode, 60km/1550nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-S6-T	1	1	SC Connector, Single-mode, 60km/1550nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-BAS1	1	1	Bi-Di, SC Connector, Single-mode, 10km, TX1310nm/RX1550nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-BAS1-T	1	1	Bi-Di, SC Connector, Single-mode, 10km, TX1310nm/RX1550nm	12-48VDC	-40°C ~ 80°C
MEG2-0201-BBS1	1	1	Bi-Di, SC Connector, Single-mode, 10km, TX1550nm/RX1310nm	12-48VDC	-10°C ~ 70°C
MEG2-0201-BBS1-T	1	1	Bi-Di, SC Connector, Single-mode, 10km, TX1550nm/RX1310nm	12-48VDC	-40°C ~ 80°C

## Ordering Information

MEG2-0201-M	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Multi-mode, 550m/850nm), 12-48VDC, -10°C ~ 70°C,
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MEG2-0201-M-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Multi-mode, 550m/850nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-ST	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (ST Connector, Multi-mode, 550m/850nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-ST-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (ST Connector, Multi-mode, 550m/850nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-S1	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 10km/1310nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-S1-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 10km/1310nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-ST-S1	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (ST Connector, Single-mode, 10km/1310nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-ST-S1-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (ST Connector, Single-mode, 10km/1310nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-S4	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 40km/1310nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-S4-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 40km/1310nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-S6	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 60km/1550nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-S6-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (SC Connector, Single-mode, 60km/1550nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-BAS1	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (Bi-Di, SC Connector, Single-mode, 10km, TX1310nm/RX1550nm), 12-48VDC, -10°C ~ 70°C
MEG2-0201-BAS1-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (Bi-Di, SC Connector, Single-mode, 10km, TX1310nm/RX1550nm), 12-48VDC, -40°C ~ 80°C
MEG2-0201-BBS1	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (Bi-Di, SC Connector, Single-mode, 10km, TX1550nm/RX1310nm) 12-48VDC, -10°C ~ 70°C
MEG2-0201-BBS1-T	Industrial Media Converter -1*10/100/1000Tx + 1*1000X (Bi-Di, SC Connector, Single-mode, 10km, TX1550nm/RX1310nm), 12-48VDC, -40°C ~ 80°C

## Optional Accessories - Power Supply Series

### 30W Power Supply Series

HDR-30-24	36W Industrial DIN-Rail Power Supply, 24VDC/1.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -30°C ~ 70°C
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### 60W Power Supply Series

HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 88-264VAC/124-370VDC power input, Plastic, -30°C ~ 70°C
MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -20°C ~ 70°C

### 75W Power Supply Series

EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

### 120W Power Supply Series

EDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

NDR-120-48 120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

**240W Power Supply Series**

NDR-240-48 240W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C

SDR-240-24 240W Industrial DIN-Rail Power Supply w/ PFC, 24VDC/10A, Universal 88-264VAC/124-370VDC power input, Metal, -25°C ~ 70°C

**480W Power Supply Series**

NDR-480-48 480W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/10A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C