

MEG2-0201-SFP Series

Industrial Media Converter

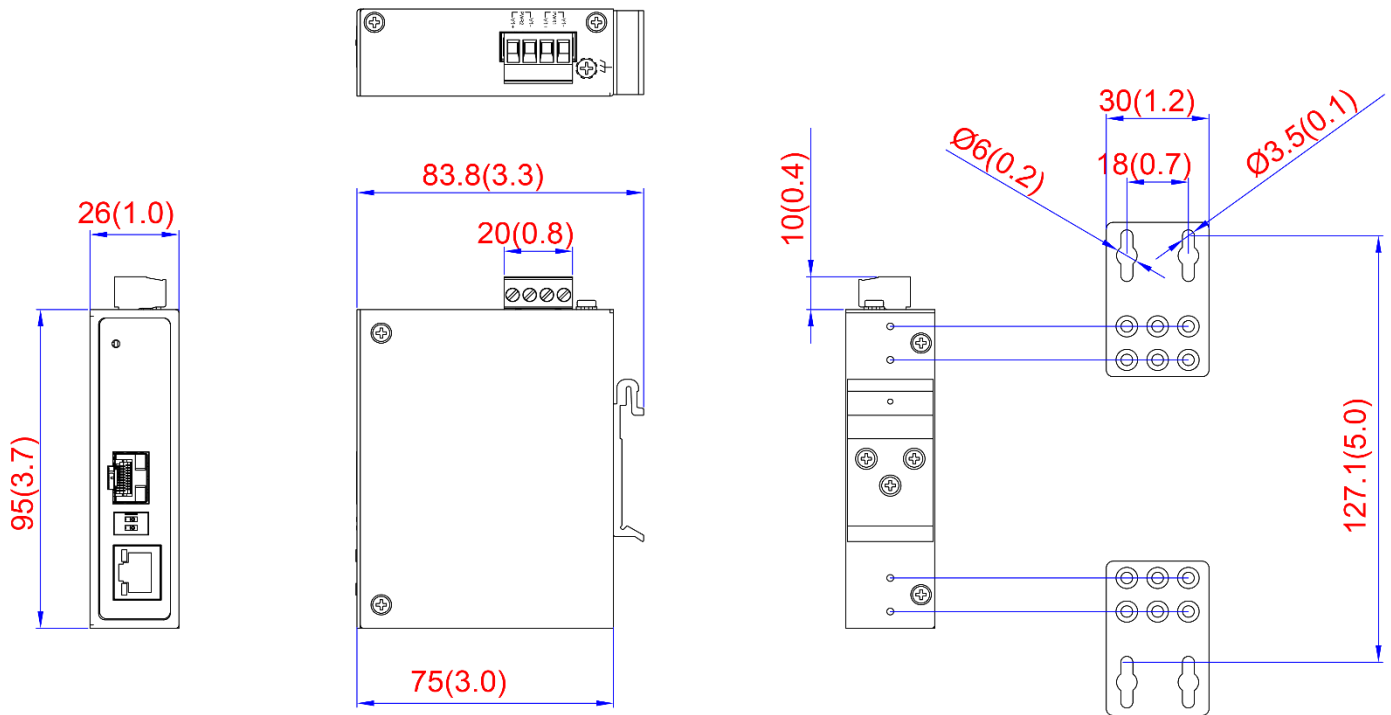
-1*10/100/1000Base-T(X) + 1*100/1000Base-F(X) SFP Slot



- 1-port 10/100/1000Base-T(X) Gigabit Ethernet
- 1-port 100/1000Base-F(X) SFP slots
- Link Fault Pass-Through (LFP) function support
- IP30 Rugged Metal Case Design
- Redundant power input design, 12-48VDC
- DIN-Rail Mounting, Wall Mounting
- 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

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|--------------------------------|--|
| 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

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|----------------|---|
| RJ45 Ports | 1*10/100/1000Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X |
| Fiber Port | 1*100/1000 SFP Slot |
| Wavelength | Depends on SFP modules |
| LED Indicators | Power(PWR): On/Off SFP: Link/Active Ethernet Ports: On-Link/Flash-data transmitting |
| DIP Switch | DIP Switch 1: Link Fault Pass-Through (LFP) Enable/Disable DIP Switch 2: 1000Mbps/ 100Mbps |

Power Requirements

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|-----------------------------|--------------------------------------|
| Input Voltage | Dual 12-48VDC redundant power inputs |
| Power Connection | 1 removable 4-contact terminal block |
| Overload Current Protection | Present(Slow-Blow Fuse) |
| Reverse Polarity Protection | Present |
| System Power Consumption | Max. 1.8W full loading |

Mechanical Characteristics

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|------------------------|--|
| Housing | Metal, IP30 protection |
| Dimensions (W x H x D) | 26(W) x 95(H) x 75(D)mm (1.0 x 3.7 x 3.0 inch) |
| Weight | Unit Weight: 0.2kg (0.44 lb), Shipping Weight: 0.4kg (0.88 lb) |
| Mounting | DIN-Rail Mounting, Wall Mounting |

Environmental Limits

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|---------------------------|---|
| 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

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|---------------|--|
| EMI | FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A |
| EMS | CE EN55024/EN61000-6-2 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 |
| Certification | UL61010-1, UL61010-2-201 |

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|------------|------------------------------|
| 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

| | pcs |
|------------------------------------|-----|
| MEG2-0201-SFP(-T) | 1 |
| Wall-mount installation kits | 2 |
| Quick installation guide (printed) | 1 |

Comparison Table

| Model Name | 10/100/1000T(X) | 100/1000(F)X SFP | Power Inputs | Operating Temperature |
|-----------------|-----------------|------------------|--------------|-----------------------|
| MEG2-0201-SFP | 1 | 1 | 12-48VDC | -10°C ~ 70°C |
| MEG2-0201-SFP-T | 1 | 1 | 12-48VDC | -40°C ~ 80°C |

Ordering Information

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|-----------------|---|
| MEG2-0201-SFP | Industrial Media Converter - 1*10/100/1000Base-T(X) + 1*100/1000 SFP Slot, 12-48VDC, -10°C to 70°C |
| MEG2-0201-SFP-T | Industrial Media Converter - 1*10/100/1000Base-T(X) + 1*100/1000 SFP Slot, 12-48VDC, -40°C~80°C |

Optional Accessories - Power Supply Series

30W Power Supply Series

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

60W Power Supply Series

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|-----------|---|
| 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

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|-----------|---|
| 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

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|------------|--|
| 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

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|------------|--|
| 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

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|------------|--|
| NDR-480-48 | 480W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/10A, Universal 90-264VAC/127-370VDC power input, |
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OPTIONAL ACCESSORIES - SFP Transceiver Series

100Mbps Multi-mode SFP Transceiver Modules Series

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|------------|--|
| SFP-TM02 | 100Mbps SFP Transceiver/LC, MMF, 2KM, 1310nm, 0°C ~ 70°C |
| SFP-TM02-T | 100Mbps SFP Transceiver/LC, MMF, 2KM, 1310nm, -40°C ~ 85°C |

100Mbps Single-mode SFP Transceiver Modules Series

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|---------------|---|
| SFP-TS20-WA | 100Mbps BiDi SFP Transceiver/LC, SMF, 20KM, TX: 1310nm/RX: 1550nm, 0°C ~ 70°C |
| SFP-TS20-WA-T | 100Mbps BiDi SFP Transceiver/LC, SMF, 20KM, TX: 1310nm/RX: 1550nm, -40°C ~ 85°C |
| SFP-TS20-WB | 100Mbps BiDi SFP Transceiver/LC, SMF, 20KM, TX: 1550nm/RX: 1310nm, 0°C ~ 70°C |
| SFP-TS20-WB-T | 100Mbps BiDi SFP Transceiver/LC, SMF, 20KM, TX: 1550nm/RX: 1310nm, -40°C ~ 85°C |
| SFP-TS30 | 100Mbps SFP Transceiver/LC, SMF, 30KM, 1310nm, 0°C ~ 70°C |
| SFP-TS30-T | 100Mbps SFP Transceiver/LC, SMF, 30KM, 1310nm, -40°C ~ 85°C |

1Gbps Multi-mode SFP Transceiver Modules Series

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|------------|--|
| SFP-GM00 | 1Gbps SFP Transceiver/LC, MMF, 550M, 850nm, 0°C ~ 70°C |
| SFP-GM00-T | 1Gbps SFP Transceiver/LC, MMF, 550M, 850nm, -40°C ~ 85°C |
| SFP-GM02 | 1Gbps SFP Transceiver/LC, MMF, 2KM, 1310nm, 0°C ~ 70°C |
| SFP-GM02-T | 1Gbps SFP Transceiver/LC, MMF, 2KM, 1310nm, -40°C ~ 85°C |

1Gbps Single-mode SFP Transceiver Modules Series

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|---------------|---|
| SFP-GS10 | 1Gbps SFP Transceiver/LC, SMF, 10KM, 1310nm, 0°C ~ 70°C |
| SFP-GS10-T | 1Gbps SFP Transceiver/LC, SMF, 10KM, 1310nm, -40°C ~ 85°C |
| SFP-GS10-WA | 1Gbps BiDi SFP Transceiver/LC, SMF, 10KM, TX: 1310nm/RX: 1550nm, 0°C ~ 70°C |
| SFP-GS10-WA-T | 1Gbps BiDi SFP Transceiver/LC, SMF, 10KM, TX: 1310nm/RX: 1550nm, -40°C ~ 85°C |
| SFP-GS10-WB | 1Gbps BiDi SFP Transceiver/LC, SMF, 10KM, TX: 1550nm/RX: 1310nm, 0°C ~ 70°C |
| SFP-GS10-WB-T | 1Gbps BiDi SFP Transceiver/LC, SMF, 10KM, TX: 1550nm/RX: 1310nm, -40°C ~ 85°C |
| SFP-GS20 | 1Gbps SFP Transceiver/LC, SMF, 20KM, 1310nm, 0°C ~ 70°C |
| SFP-GS20-T | 1Gbps SFP Transceiver/LC, SMF, 20KM, 1310nm, -40°C ~ 85°C |
| SFP-GS40 | 1Gbps SFP Transceiver/LC, SMF, 40KM, 1310nm, 0°C ~ 70°C |
| SFP-GS40-T | 1Gbps SFP Transceiver/LC, SMF, 40KM, 1310nm, -40°C ~ 85°C |
| SFP-GS40-WA | 1Gbps BiDi SFP Transceiver/LC, SMF, 40KM, TX: 1310nm/RX: 1550nm, 0°C ~ 70°C |
| SFP-GS40-WB | 1Gbps BiDi SFP Transceiver/LC, SMF, 40KM, TX: 1550nm/RX: 1310nm, 0°C ~ 70°C |
| SFP-GS60 | 1Gbps SFP Transceiver/LC, SMF, 60KM, 1550nm, 0°C ~ 70°C |
| SFP-GS60-T | 1Gbps SFP Transceiver/LC, SMF, 60KM, 1550nm, -40°C ~ 85°C |
| SFP-GS60-WA | 1Gbps BiDi SFP Transceiver/LC, SMF, 60KM, TX: 1310nm/RX: 1550nm, 0°C ~ 70°C |
| SFP-GS60-WB | 1Gbps BiDi SFP Transceiver/LC, SMF, 60KM, TX: 1550nm/RX: 1310nm, 0°C ~ 70°C |
| SFP-GS80 | 1Gbps SFP Transceiver/LC, SMF, 80KM, 1550nm, 0°C ~ 70°C |
| SFP-GS80-T | 1Gbps SFP Transceiver/LC, SMF, 80KM, 1550nm, -40°C ~ 85°C |
| SFP-GSH2 | 1Gbps SFP Transceiver/LC, SMF, 120KM, 1550nm, 0°C ~ 70°C |
| SFP-GSH2-T | 1Gbps SFP Transceiver/LC, SMF, 120KM, 1550nm, -40°C ~ 85°C |

Copper SFP Transceiver Modules Series

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|-------------|---|
| SFP-GC00-SG | SFP to 10/100/1000Base-T(X) copper Module, 0°C ~ 70°C |
| SFP-GC00-SE | SFP to 1000Base-T copper Module, 0°C ~ 70°C |