

## MPG2-0201-SFP Series

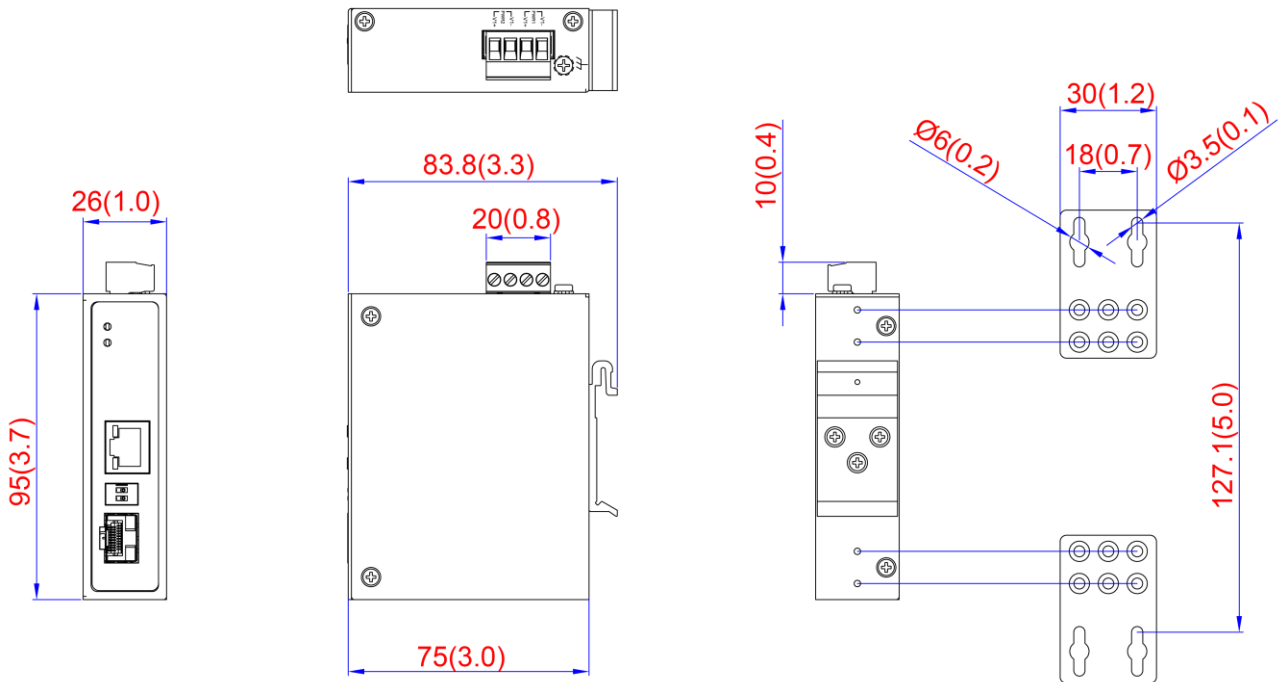
Industrial PoE+ Media Converter  
 - 1\*10/100/1000Tx + 1\*100/1000 SFP Slot, 48-55VDC Power Input



- 1-port 10/100/1000Tx Gigabit Ethernet with IEEE 802.3at Compliant PoE+
- 1-port 100/1000 SFP Slot
- LFP function support
- Redundant Power Input Design, 48-55VDC
- IP30 Rugged Metal Case Design
- 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 Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af/at Power over Ethernet
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*10/100/1000 Base-T(X) with PoE+ Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Fiber Port	1*100/1000Base-(F)X SFP slot
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting SFP: Link/Active
DIP Switch	DIP Switch 1: Link Fault Pass-Through (LFP) Enable/Disable DIP Switch 2: 100Mbps/1000Mbps

### Power Requirements

Input Voltage	Dual 48-55VDC redundant power inputs
Power Connection	1*removable 4-contact terminal block
System Power Consumption	Max. 3W full loading
Max. PoE Power Budget	30Watts

### 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: 0.25kg (0.55lbs.), Shipping Weight: 0.45kg (0.99lbs.)
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 EN55035/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

Safety	UL61010-1, UL61010-2-201
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	1,993,882 hrs.
Warranty	5 Years

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

## Packet Contents

	pcs
MPG2-0201-SFP(-T)	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

## Comparison Table

Model Name	10/100/1000 T(X) PoE+	100/1000 F(X) SFP	Power Inputs	PoE Max. Power Budget	Operating Temperature
MPG2-0201-SFP	1	1	48-55VDC	30W	-10°C ~ 70°C
MPG2-0201-SFP-T	1	1	48-55VDC	30W	-40°C ~ 80°C

## Ordering Information

MPG2-0201-SFP	Industrial PoE+ Media Converter - 1*10/100/1000Base-T(X) with PoE-PSE (30W/Port) + 1*100/1000 SFP Slot, 48-55VDC, -10°C to 70°C
MPG2-0201-SFP-T	Industrial PoE+ Media Converter - 1*10/100/1000Base-T(X) with PoE-PSE (30W/Port) + 1*100/1000 SFP Slot, 48-55VDC, -40°C to 80°C

## Optional Accessories - Power Supply Series

### 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-120-48	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
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### 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
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## OPTIONAL ACCESSORIES - SFP Transceiver Series

### 100Mbps Multi-mode SFP Transceiver Modules Series

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

SFP-TS20-WA	100Mbps BiDi SFP Transceiver/LC, SMF, 20KM, TX: 1310nm/RX: 1550nm, 0°C ~ 70°C
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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
<b>1Gbps Multi-mode SFP Transceiver Modules Series</b>	
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
<b>1Gbps Single-mode SFP Transceiver Modules Series</b>	
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
<b>Copper SFP Transceiver Modules Series</b>	
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