



EG2-1002-10GSFP Series

10-Port Industrial Gigabit Ethernet Switch

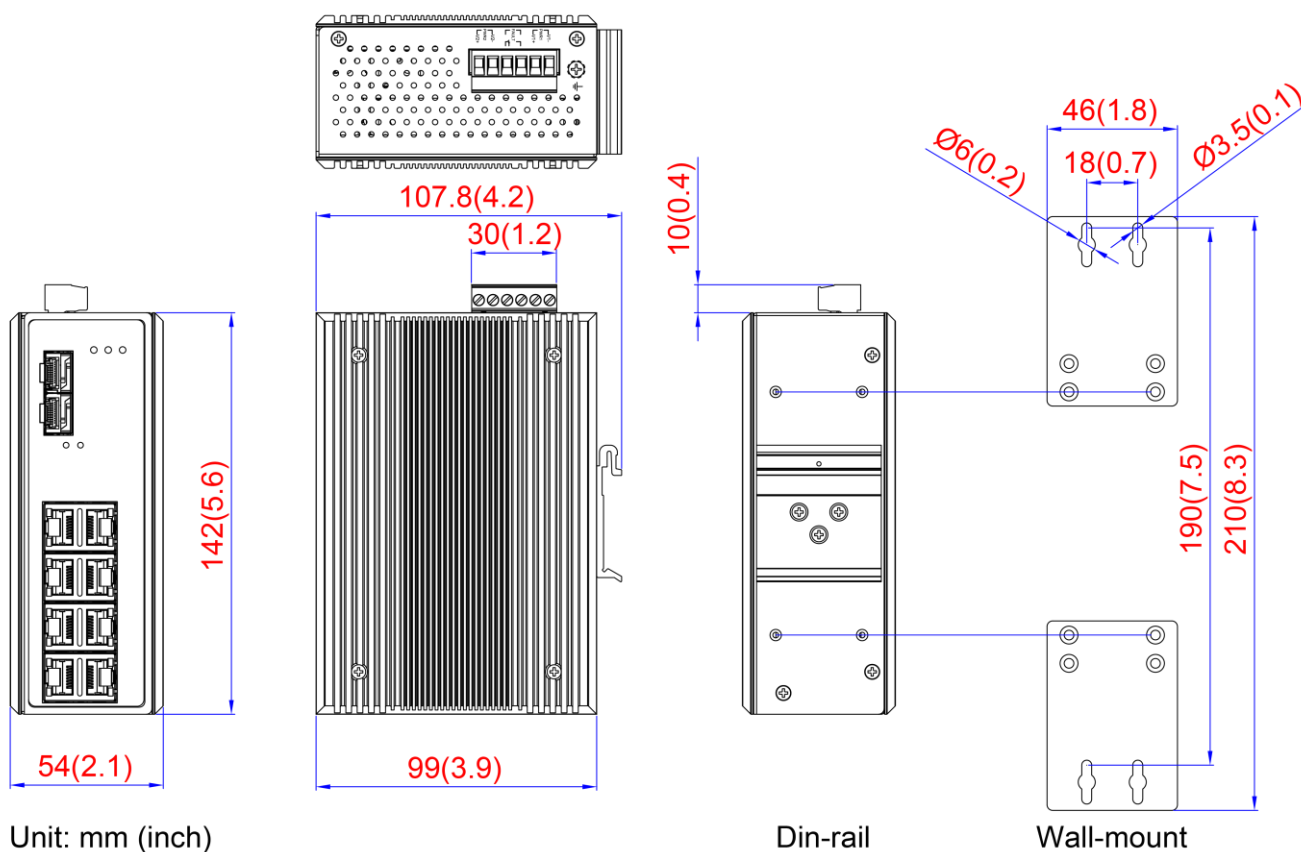
-8*10/100/1000Base-TX + 2*10GbE SFP+ Slot



- 8-port 10/100/1000Base-T(X) Gigabit Ethernet
- 2-port 10GbE SFP+ slots
- Redundant power inputs design
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- Operating temperature range
- STD: -40°C ~ 65°C



Dimension



Specification

Technology	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3ae 10 Gigabit 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)	56Gbps
Memory Buffer	8Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	16K
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port 14,880,000pps for 10 Gigabit Ethernet Port
Interface	
RJ45 Ports	8*10/100/1000Base-TX Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
Fiber Port	2*10GbE SFP+ slots
Wavelength	Depends on SFP modules
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting SFP: Link/Active
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)
Power Requirements	
Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 10.2W full loading
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm (2.1 x 5.6 x 3.9 inch)
Weight	Unit weight: 1.06kg (2.33 lb), Shipping weight: 1.34 kg (2.95 lb)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -40°C ~ 65°C (-40°F ~ 149°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 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) (apply by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	736,704 hrs.
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

Packet Contents	pcs
EG2-1002-10GSFP Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

Comparison Table				
Model Name	10/100/1000 T(X)	10GbE SFP+	Power Inputs	Operating Temperature
EG2-1002-10GSFP	8	2	12-48VDC	-40°C ~ 65°C

Ordering Information	
EG2-1002-10GSFP	10-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000Tx + 2*10GbE SFP+ Slot, 12-48VDC, -40°C ~ 65°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
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

OPTIONAL ACCESSORIES - SFP Transceiver Series

10Gbps Multi-mode SFP Transceiver Modules Series

SFP-XM00 10Gbps SFP+ Transceiver/LC, MMF, 300M, 850nm, 0°C ~ 70°C

SFP-XM00-T 10Gbps SFP+ Transceiver/LC, MMF, 300M, 850nm, -40°C ~ 85°C

10Gbps Single-mode SFP Transceiver Modules Series

SFP-XS10 10Gbps SFP+ Transceiver/LC, SMF, 10KM, 1310nm, 0°C ~ 70°C

SFP-XS10-T 10Gbps SFP+ Transceiver/LC, SMF, 10KM, 1310nm, -40°C ~ 85°C