



EG2-0800 Series

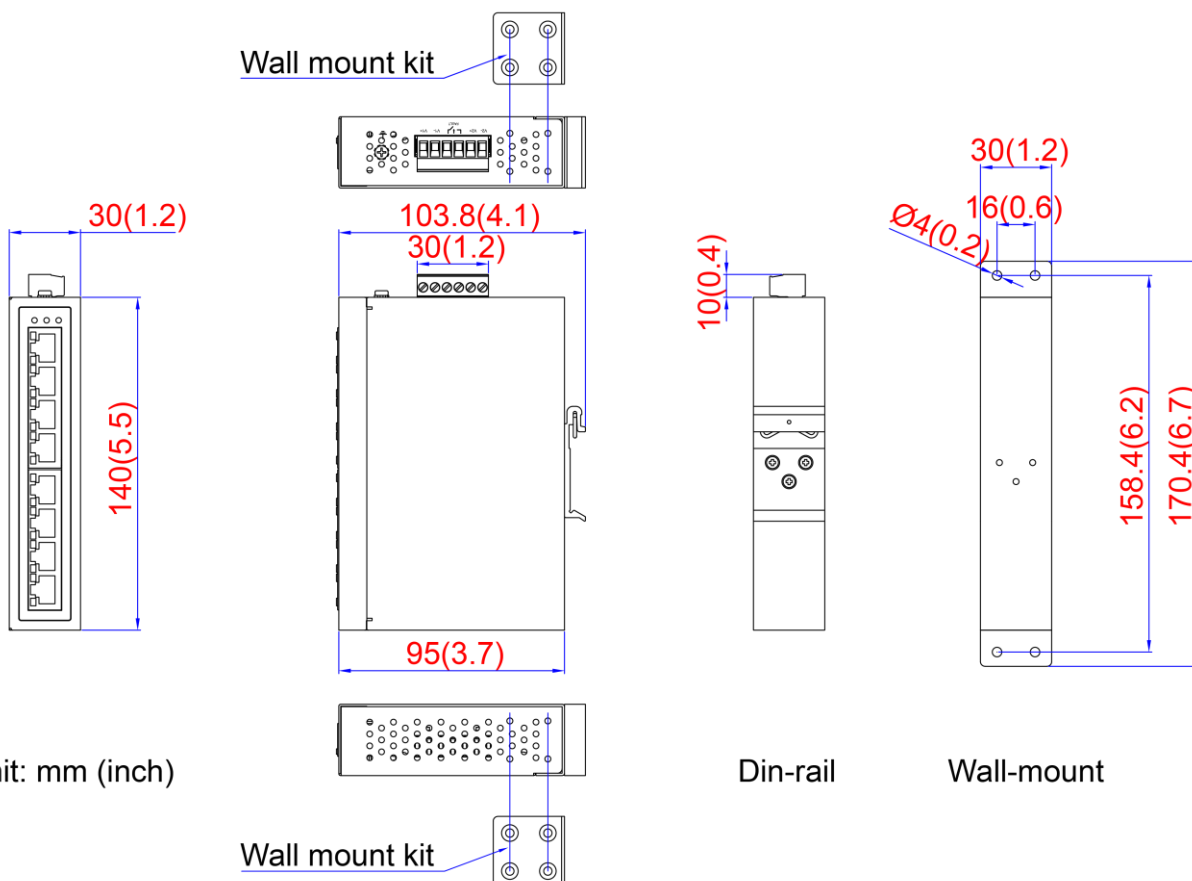
8-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000T,
12-48VDC Power Input



- 8-port 10/100/1000T Gigabit Ethernet
- Redundant power inputs design, 12-48VDC
- IP30 Rugged Metal Case Design
- Operating temperature range - STD: -10°C~65°C, EOT: -40°C ~ 75°C



Dimension



Specification

Technology

Standards	IEEE 802.3 10BASE-T Ethernet
	IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3ab 1000BASE-T 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)	16Gbps
Memory Buffer	4Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	8K
Transfer Rate	14,880pps for Ethernet Port
	148,800pps for Fast Ethernet Port
	1,488,000pps for Gigabit Ethernet Port

Interface

RJ45 Ports	8*10/100/1000BASE-T Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X connection
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: Link Active/Speed
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-T: 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. 9.2W full loading

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	30 x 140 x 95 mm (1.2 x 5.5 x 3.7 inch)
Weight	Unit weight: 0.52 kg (1.14 lbs.), Shipping weight: 0.65 kg (1.43 lbs.)
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F)
	EOT: -40°C ~ 75°C (-40°F ~ 167°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: 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, ISA 12.12.01

E-mark for EG2-0800-(T)E series only

Compliance	NEMA TS2 (ITS)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	1,283,579 hrs.
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

Packet Contents

	pcs
EG2-0800(-T) Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

Comparison Table

Model Name	10/100/1000T	100/1000X SFP	Power Inputs	Operating Temperature
EG2-0800	8	-	12-48VDC	-10°C ~ 65°C
EG2-0800-T	8	-	12-48VDC	-40°C ~ 75°C
EG2-0800-E	8	-	12-48VDC	-10°C ~ 65°C
EG2-0800-TE	8	-	12-48VDC	-40°C ~ 75°C

Ordering Information

EG2-0800	8-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000T, 12-48VDC, -10°C ~ 65°C
EG2-0800-T	8-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000T, 12-48VDC, -40°C ~ 75°C
EG2-0800-E	8-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000T, 12-48VDC, -10°C ~ 65°C
EG2-0800-TE	8-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000T, 12-48VDC, -40°C ~ 75°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