

## PG2-0800-12-V2 Series

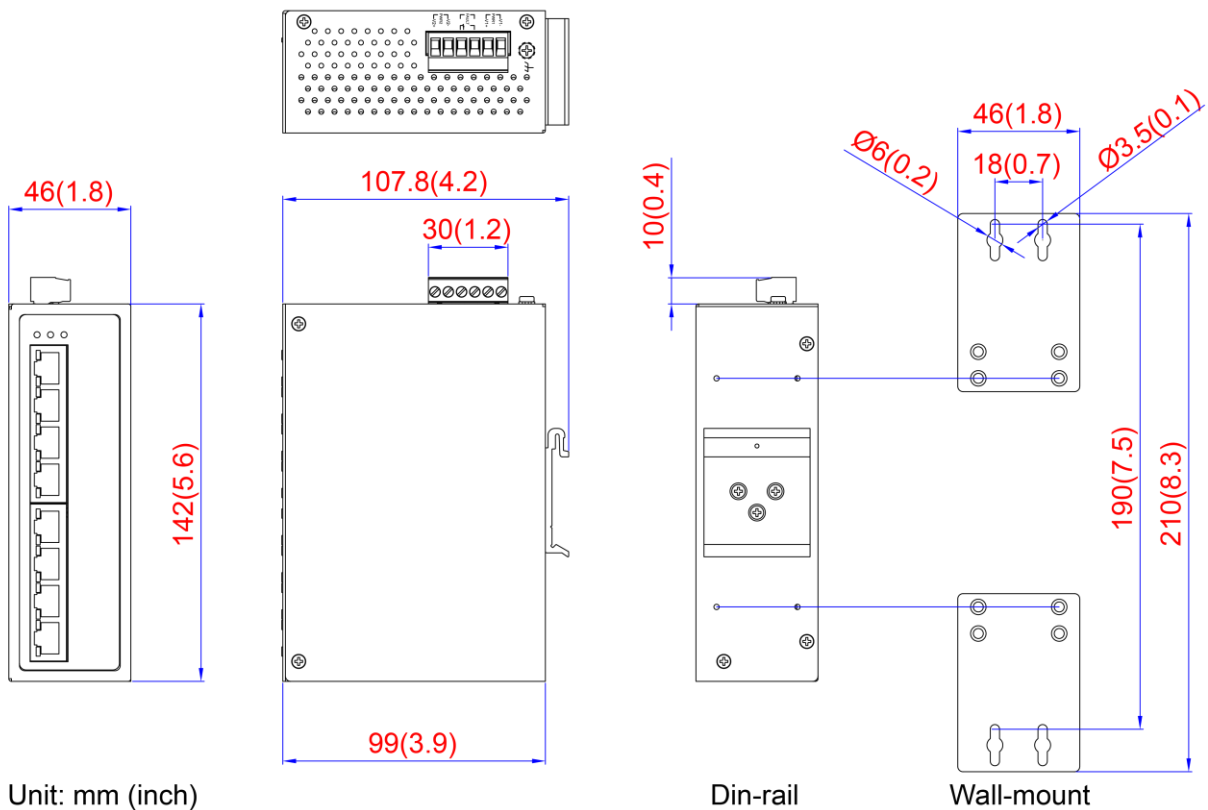
8-Port Industrial Gigabit PoE+ Ethernet Switch  
 -8\*10/100/1000T with PoE-PSE (30W/Port), 9-55VDC



- 8-port 10/100/1000T Ethernet with IEEE 802.3at Compliant PoE+
- Power inputs design
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- 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 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)	16Gbps
Memory Buffer	4Mbits
MAC Table Size	8K
Jumbo Frame	9.6Kbytes
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 with 8* 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)
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
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: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

### Power Requirements

Input Voltage	Dual 9-55VDC 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. 13.5W full loading
PoE Power Output	30Watts max. per PoE port
Max. PoE Power Budget	60Watts/9VDC, 90Watts/12VDC, 150Watts/24VDC, 200Watts/36VDC, 240Watts/48-55VDC

### Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	46(W) x 142(H) x 99(D)mm (1.8 x 5.6 x 3.9 inch)
Weight	Unit weight: 1.016kg ( 2.24lb), Shipping weight: 1.2kg ( 2.65lb)
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 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, ISA 12.12.01 E-mark for PG2-0800-12-(T)E-V2 series only
Compliance	NEMA TS2 (ITS) (apply by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	914,962 hrs.
Warranty	5 Years

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

## Packet Contents

	pcs
PG2-0800-12-V2(-T) Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

## Comparison Table

Model Name	10/100/1000 T PoE+	100/1000 X SFP	Power Inputs	PoE Max. Power Budget	Operating Temperature
PG2-0800-12-V2	8	-	9-55VDC	60Watts/9VDC, 90Watts/12VDC, 150Watts/24VDC, 200Watts/36VDC, 240Watts/48-55VDC	-10°C ~ 65°C
PG2-0800-12-T-V2	8	-	9-55VDC	60Watts/9VDC, 90Watts/12VDC, 150Watts/24VDC, 200Watts/36VDC, 240Watts/48-55VDC	-40°C ~ 75°C
PG2-0800-12-E-V2	8	-	9-55VDC	60Watts/9VDC, 90Watts/12VDC, 150Watts/24VDC, 200Watts/36VDC, 240Watts/48-55VDC	-10°C ~ 65°C
PG2-0800-12-TE-V2	8	-	9-55VDC	60Watts/9VDC, 90Watts/12VDC, 150Watts/24VDC, 200Watts/36VDC, 240Watts/48-55VDC	-40°C ~ 75°C

## Ordering Information

PG2-0800-12-V2	8-Port Industrial Gigabit PoE+ Ethernet Switch -8*10/100/1000T with 8*PoE-PSE (30W/Port), 9-55VDC, -10°C ~ 65°C
PG2-0800-12-T-V2	8-Port Industrial Gigabit PoE+ Ethernet Switch -8*10/100/1000T with 8*PoE-PSE (30W/Port), 9-55VDC, -40°C ~ 75°C
PG2-0800-12-E-V2	8-Port Industrial Gigabit PoE+ Ethernet Switch -8*10/100/1000T with 8*PoE-PSE (30W/Port), 9-55VDC, -10°C ~ 65°C
PG2-0800-12-TE-V2	8-Port Industrial Gigabit PoE+ Ethernet Switch -8*10/100/1000T with 8*PoE-PSE (30W/Port), 9-55VDC, -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
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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
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MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -20°C ~ 70°C
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### 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
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NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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### 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
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NDR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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NDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
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### 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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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
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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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