

## PG2-0500-24 Series

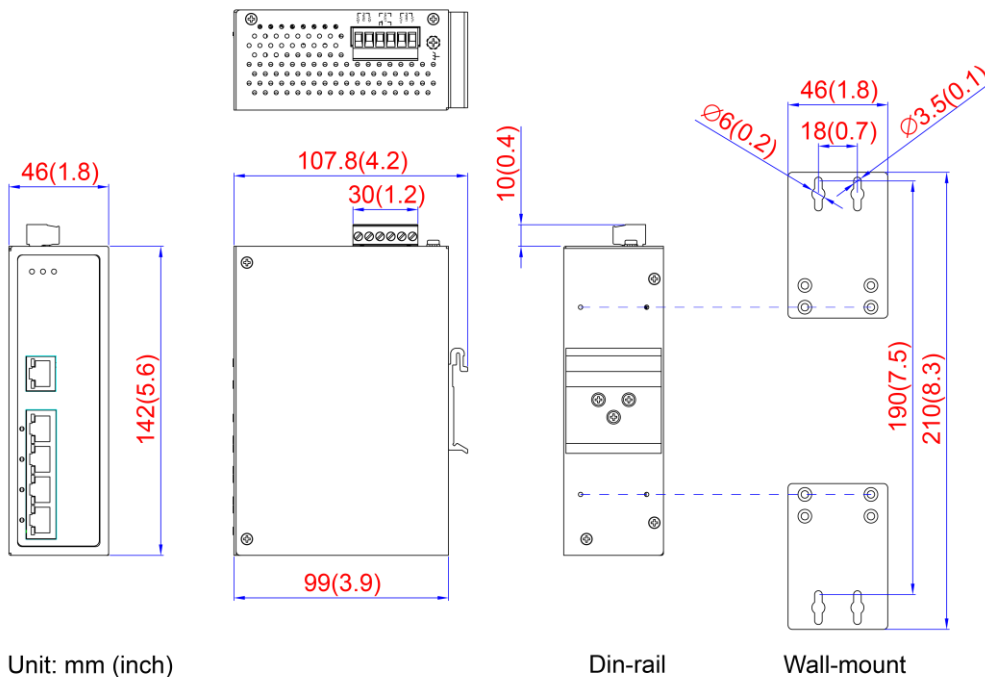
5-Port Industrial Gigabit PoE+ Ethernet Switch  
 -5\*10/100/1000Tx with 4\*PoE-PSE (30W/Port), 12-36VDC Power Input



- 4-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- 1-port 10/100/1000Tx Gigabit Ethernet
- Redundant Power Input Design, 12-36VDC
- Built-in Power Booster Design for PoE/PoE+ Output
- 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 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet 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)	10Gbps
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	5*10/100/1000 Base-T(X) with 4*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	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

### Power Requirements

Input Voltage	Dual 12-36VDC 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. 6.3W full loading
Max. PoE Power Budget	120Watts

### Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	46 x 142 x 99 mm (1.81x 5.59 x 3.89 inch)
Weight	Unit weight: 0.7kg (1.54lbs.), Shipping weight: 0.9kg (1.98lbs.)
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 EN55022/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
Compliance	NEMA TS2 (ITS) – EoT version
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	848,168 hrs.
Warranty	5 Years

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

## Packet Contents

	pcs
PG2-0500-24(-T) Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

## Comparison Table

Model Name	10/100/1000 T(X) PoE+	10/100/1000 T(X)	Power Inputs	PoE Max. Power Budget	Operating Temperature
PG2-0500-24	4	1	12-36VDC	30W	-10°C ~ 65°C
PG2-0500-24-T	4	1	12-36VDC	30W	-40°C ~ 75°C

## Ordering Information

PG2-0500-24	5-Port Industrial Gigabit PoE+ Ethernet Switch - 4*10/100/1000Tx with PoE-PSE (30W/Port) + 1*10/100/1000Tx, 12-36VDC, -10°C ~ 65°C
PG2-0500-24-T	5-Port Industrial Gigabit PoE+ Ethernet Switch - 4*10/100/1000Tx with PoE-PSE (30W/Port) + 1*10/100/1000Tx, 12-36VDC, -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
120W Power Supply Series	
NDR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
240W Power Supply Series	
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