

# PG2-0800-24

8-Port Industrial Gigabit PoE+ Ethernet Switch

- 8\*10/100/1000Tx with PoE Injector (30W/Port), 12-36VDC Power Input



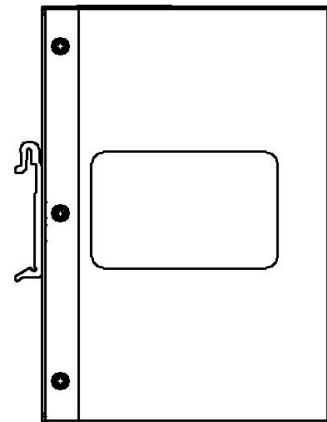
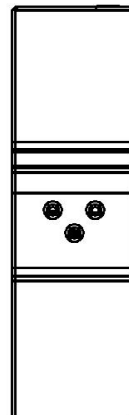
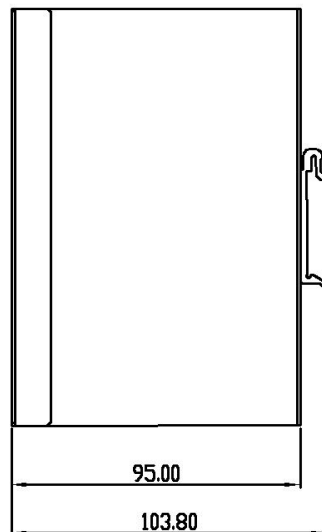
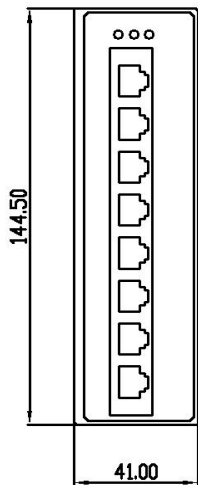
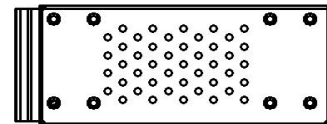
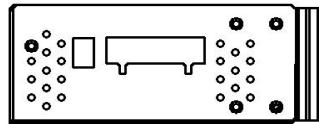
## Feature



- 8-port 10/100/1000Tx with IEEE 802.3at Compliance
- 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 to 75°C



## Dimensions (unit = mm)



# Specifications

## Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3af/at Power over Ethernet
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Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control

## Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
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Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
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Memory Buffer	4Mbits
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Jumbo Frame	9.6Kbytes
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MAC Table size	8K
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## Interface

RJ45 Ports	8*10/100/1000BaseT(X) with 8* PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
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PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
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LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE : On-connected to PD devices
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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)
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## Power Requirements

Input Voltage	12-36VDC, Redundant Input
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Overload Current Protection	Present(Slow-Blow Fuse)
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Power Connection	1 removable 6-contact terminal block
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Reverse Polarity Protection	Present
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PoE Power Output	30Watts max. per PoE port
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Max. Power Consumption	10Watts for System
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PoE Power Budget	90-200Watts/12-36VDC
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Relay Contact	24VDC, 1A resistive
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## Mechanical Characteristics

Housing	Metal, IP30 protection
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Dimensions	41 x 144.5 x 95 mm (W x H x D)
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Weight	Unit Weight: 0.45kg, Shipping Weight: 0.65kg
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Mounting	DIN-Rail Mounting, Wall Mounting
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## Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F); EOT: -40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
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Ambient Relative Humidity	5 to 95%, (non-condensing)
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## Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>EMS</b>	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)
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Safety</b>	<b>UL 508, ISA 12.12.01 for PG2-0800-24(-T) series only</b> <b>E-Mark for PG2-0800-24(-T)E series only</b>
<b>Corrosion Protection</b>	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class CX-Extreme) ANSI/ISA 71.04 (Class GX-Severe)
<b>Compliance</b>	NEMA TS2 (ITS) – EoT version, E-Mark
<b>Warranty</b>	5 Years

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

## Ordering Information

<b>PG2-0800-24</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port)
<b>PG2-0800-24-T</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port), Extended Operating Temperature: -40° to 75° C
<b>PG2-0800-24-E</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch for E-Mark version - 8*10/100/1000Tx with PoE Injector (30W/Port)
<b>PG2-0800-24-TE</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch for E-Mark version - 8*10/100/1000Tx with PoE Injector (30W/Port), Extended Operating Temperature: -40° to 75° C
<b>PG2-0800-24 Corrosion Protection Version</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port)
<b>PG2-0800-24-T Corrosion Protection Version</b>	8-Port Industrial Gigabit PoE+ Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port), Extended Operating Temperature: -40° to 75° C

### Optional Accessories

<b>NDR-120-24</b>	120W Industrial DIN-Rail Power Supply, 24VDC
<b>NDR-120-48</b>	120W Industrial DIN-Rail Power Supply, 48VDC
<b>SDR-240-24</b>	240W Industrial DIN-Rail Power Supply, 24VDC
<b>NDR-240-48</b>	240W Industrial DIN-Rail Power Supply, 48VDC