

# PG2-1002-10GSFP

## 10-Port Industrial Gigabit Ethernet Switch

- 8\*10/100/1000Tx with PoE Injector (30W/Port) + 2\*10G Ethernet SFP+ Slot, 48-55VDC Power Input



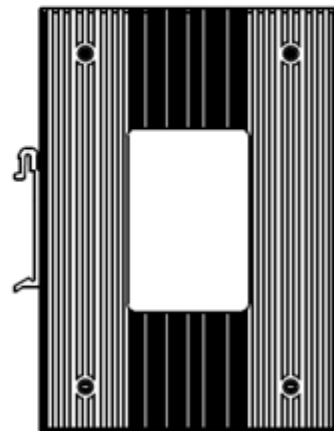
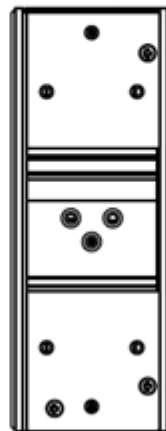
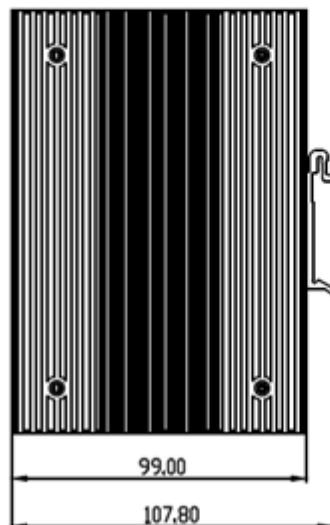
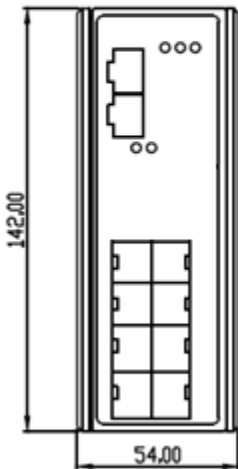
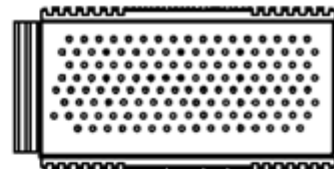
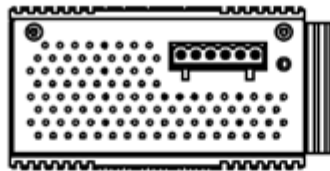
Feature



- 8-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- 2-port 10Gigabit Ethernet SFP+ Interface
- Redundant Power Input Design, 48-55VDC
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range: -40°C ~ 60°C



### Dimensions (unit = mm)



# Specifications

## Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3ae 10Gigabit Ethernet 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 14,880,000pps for 10G Ethernet Port
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Memory Buffer	12Mbits
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Jumbo Frame	9216bytes
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MAC Table size	16K
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## Interface

RJ45 Ports	8*10/100/1000BaseT(X), 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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Fiber Port	2*10G SFP+ Slot
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LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE Status SFP+: Link/Active
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Wavelength	Depends on SFP+ modules
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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	48-55VDC, 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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Power Consumption	16Watts for System
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Max. PoE Power Budget	240Watts
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Relay Contact	24VDC, 1A resistive
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## Mechanical Characteristics

Housing	Metal, IP30 protection
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Dimensions	54 x 142 x 99 mm (W x H x D)
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Weight	Unit Weight: 1.4kg, Shipping Weight: 1.6kg
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Mounting	DIN-Rail Mounting, Wall Mounting
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## Environmental Limits

<b>Operating Temperature</b>	-40°C ~ 60°C (-40°F ~ 140°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

## 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>	UL 61010-1, UL 61010-2-201
<b>Warranty</b>	5 Years

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

## Ordering Information

<b>PG2-1002-10GSFP</b>	10-Port Industrial Gigabit Ethernet Switch - 8*10/100/1000Tx with PoE Injector (30W/Port) + 2*10G SFP+ Slot
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### Optional Accessories

<b>DR-120-48</b>	120W Industrial DIN-Rail Power Supply, 48VDC
<b>SDR-120-48</b>	120W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
<b>SDR-240-48</b>	240W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
<b>SDR-480-48</b>	480W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
<b>SFP-XM00</b>	10G SFP+ Transceiver / LC / 0°C~70°C, multi-mode, 300m, 850nm
<b>SFP-XS10</b>	10G SFP+ Transceiver / LC / 0°C~70°C, single-mode, 10km, 1310nm

**Note. More options upon the request**