

# PG2-0800-M12XB-24-67

8-Port M12 Industrial IP67 Waterproof Gigabit PoE+ Ethernet Switch

-8\*10/100/1000Tx with M12-connector, PoE-PSE (30W/Port), 24-55VDC Power Inputs

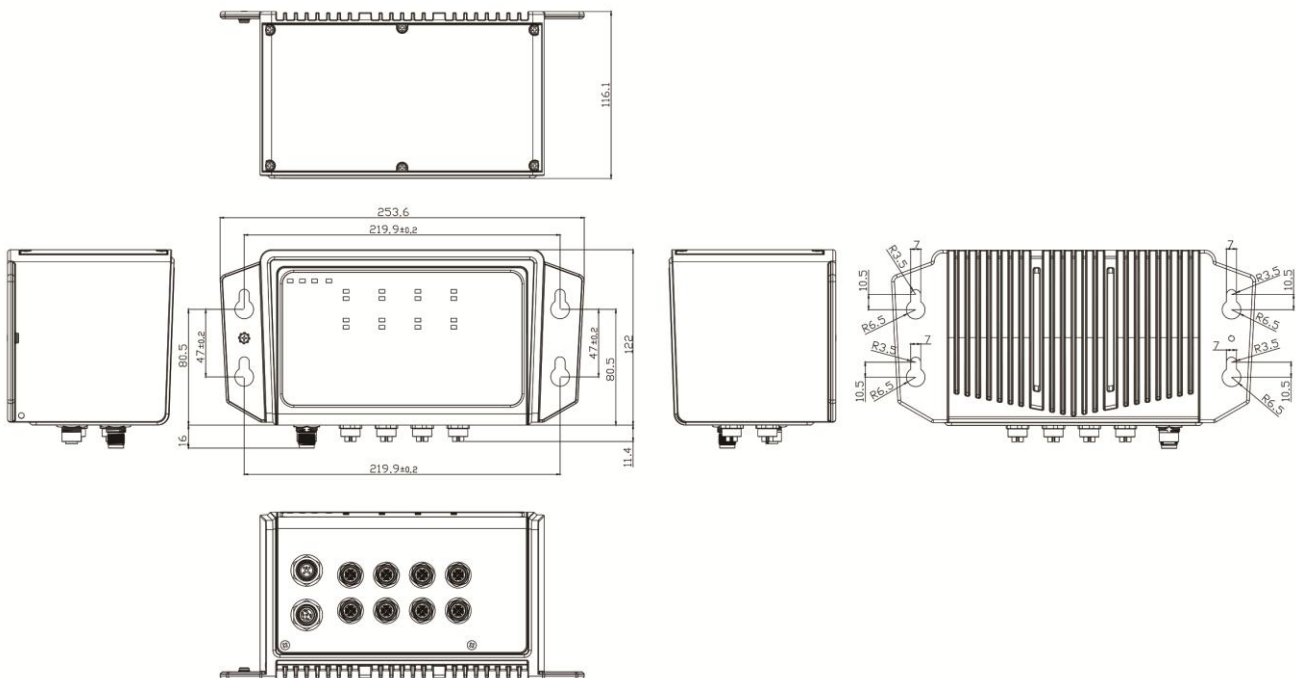
## Feature



- 8-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- Redundant Power Inputs Design, 24-55VDC
- Built-in Power Booster Design for PoE/PoE+ Output
- Built-in Relay Output Warning for Power/PoE Failure
- Bypass Design For Daisy Chain Redundancy
- Support Digital Input/Digital Output
- IP67 Rugged Waterproof Aluminum Case Design
- M12 Connectors for Ensure Tight, Robust Connection
- Wall Mounting
- Operating Temperature Range - STD: -10°C ~ 60°C



## Dimensions (unit = mm)



# Specifications

## Technology

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

## Switch Properties

<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Memory Buffer</b>	4Mbits
<b>Jumbo Frame</b>	12.2Kbytes
<b>MAC Table size</b>	8K

## Interface

<b>Ethernet Ports</b>	8*10/100/1000BaseT(X) with 8* PoE+, 8-pin M12 X-coded female connectors, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>LED Indicators</b>	Power 1, Power 2, Fault, PoE Load Ethernet Ports: On-Link/Flash-data transmitting PoE : On-connected to PD devices
<b>DI</b>	1* Digital Input (DI): State 0: -30~8VDC / State 1: 10~30VDC, Max. input current: 8mA
<b>Bypass Protection</b>	Ethernet Port 7 and Port 8

## Power Requirements

<b>Input Voltage</b>	24-55VDC, Redundant Power Inputs
<b>Overload Current Protection</b>	Present (Slow-Blow Fuse)
<b>Power Connection</b>	1* M12, 4-pin T-coded, male connector
<b>Reverse Polarity Protection</b>	Present
<b>PoE Power Output</b>	30W max. per PoE port
<b>Power Consumption</b>	8Watts for System
<b>Max. PoE Power Budget</b>	200Watts
<b>PoE output priority</b>	Port 1 to 8 (High priority to low priority)
<b>Relay Contact</b>	24VDC, 1A resistive, through M12 5-pin A-coded female connector

## Mechanical Characteristics

<b>Housing</b>	Aluminum, IP67 protection
<b>Dimensions</b>	253.57 x 122 x 116.12 mm (W x H x D)
<b>Weight</b>	Unit Weight: 3.3kg, Shipping Weight: 3.7kg
<b>Mounting</b>	Wall Mounting

## Environmental Limits

<b>Operating Temperature</b>	STD: -10°C ~ 60°C (14°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 55032 Class A, EN 61000-6-4 Class A
<b>EMS</b>	CE EN 55024 Class A, EN 61000-6-2 Class A, 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>Warranty</b>	5 Years

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

## Ordering Information

<b>PG2-0800-M12XB-24-67</b>	8-Port M12 Industrial IP67 Waterproof Gigabit PoE+ Ethernet Switch - 8*10/100/1000Tx with PoE-PSE (30W/Port)
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### Optional Accessories

<b>SDR-240-24</b>	240W Industrial DIN-Rail Power Supply, 24VDC
<b>NDR-240-48</b>	240W Industrial DIN-Rail Power Supply, 48VDC
<b>NDR-480-48</b>	480W Industrial DIN-Rail Power Supply, 48VDC