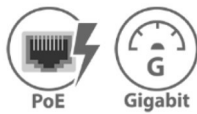


# PGU-0800

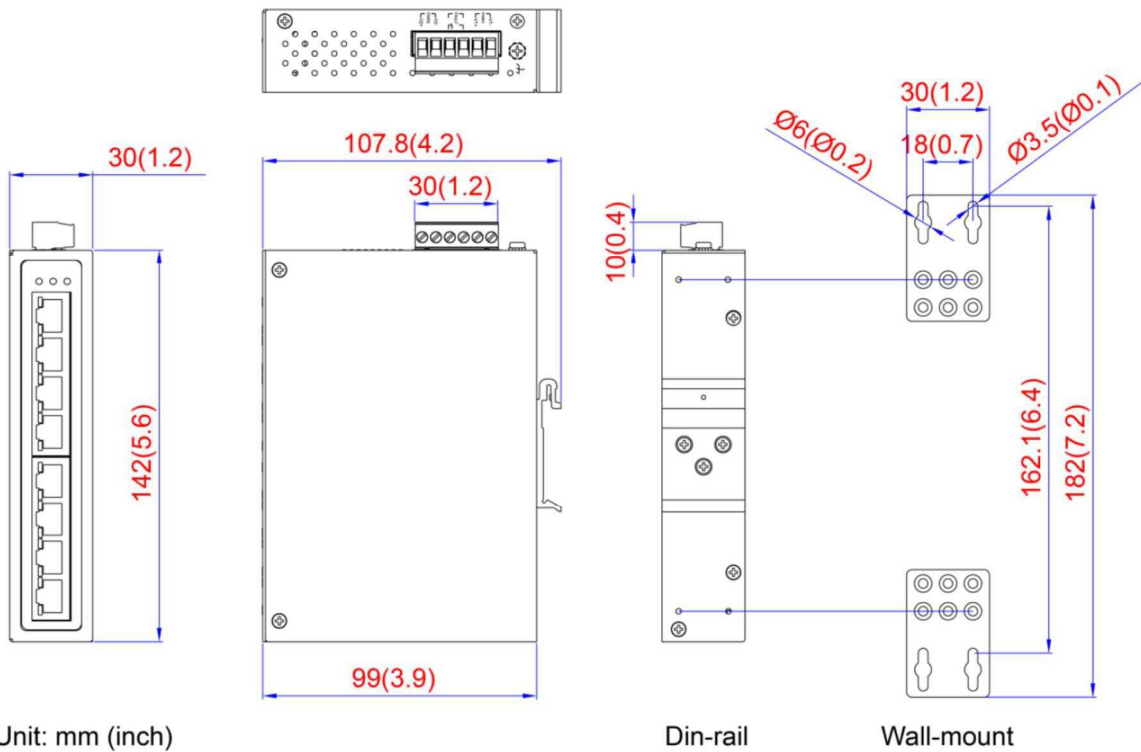
8-Port Industrial Gigabit PoE+ Ethernet Switch  
 8\*10/100/1000Tx with PoE-PSE (30W/Port)



- 8-port 10/100/1000Tx Ethernet with IEEE 802.3at Compliant PoE+
- Redundant Power Input 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



## Dimensions



## Ordering Information

PGU-0800	8-Port Industrial Gigabit PoE+ Ethernet Switch -8*10/100/1000Tx with PoE-PSE (30W/Port), 48-55VDC, -10°C ~ 65°C
PGU-0800-T	8-Port Industrial Gigabit PoE+ Ethernet Switch- 8*10/100/1000Tx with PoE-PSE (30W/Port), 48-55VDC, -40°C ~ 75°C

## 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>Back-Plane (Switching Fabric)</b>	16 Gbps
<b>Memory Buffer</b>	4 Mbits
<b>Jumbo Frame</b>	9.6 Kbytes
<b>MAC Table Size</b>	8K
<b>Transfer Rate</b>	14,880pps for Ethernet Port, 148,800pps for Fast Eth., 1,488,000pps for Gigabit Eth.

## Interface

<b>RJ45 Ports</b>	8*10/100/1000 Base-T(X) with PoE+, Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A) System: Power 1, Power 2, Fault
<b>LED Indicators</b>	Ethernet ports: On-Link/Flash-data transmitting PoE : On-connected to PD devices
<b>Relay Contact</b>	24 VDC, 1A resistive
<b>Network Cable</b>	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-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

## Power Requirements

<b>Input Voltage</b>	Dual 48-55VDC redundant power inputs
<b>Power Connection</b>	1 removable 6-contact terminal block
<b>Overload Current Protection</b>	Present (Slow-Blow Fuse)
<b>Reverse Polarity Protection</b>	Present
<b>System Power Consumption</b>	Max. 11 W full loading
<b>PoE Power Output</b>	30 W max. per PoE port
<b>Max. PoE Power Budget</b>	240W

## Mechanical Characteristics

<b>Housing</b>	Metal, IP30 protection
<b>Dimensions (W x H x D)</b>	30 x 142 x 99 mm (2.6 x 5.6 x 3.9 inch)
<b>Weight</b>	Unit weight: 0.698kg (1.54 lb), Shipping weight: 0.844kg (1.86 lb)
<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting

## Environmental Limits

<b>Operating Temperature</b>	STD: -10°C ~ 65°C (14°C ~ 149°F), EOT: -40°C ~ 75°C (-40°C ~ 167°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°C ~ 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 EN55032/EN61000-6-4 Class A
<b>EMS</b>	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)
<b>Free Fall</b>	IEC60068-2-32
<b>Shock, Vibration</b>	IEC60068-2-27, IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>CE</b>	Yes
<b>UL</b>	UL61010-1, UL61010-2-201
<b>Warranty</b>	5 Years