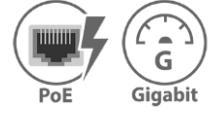


CPG2-0800 Series

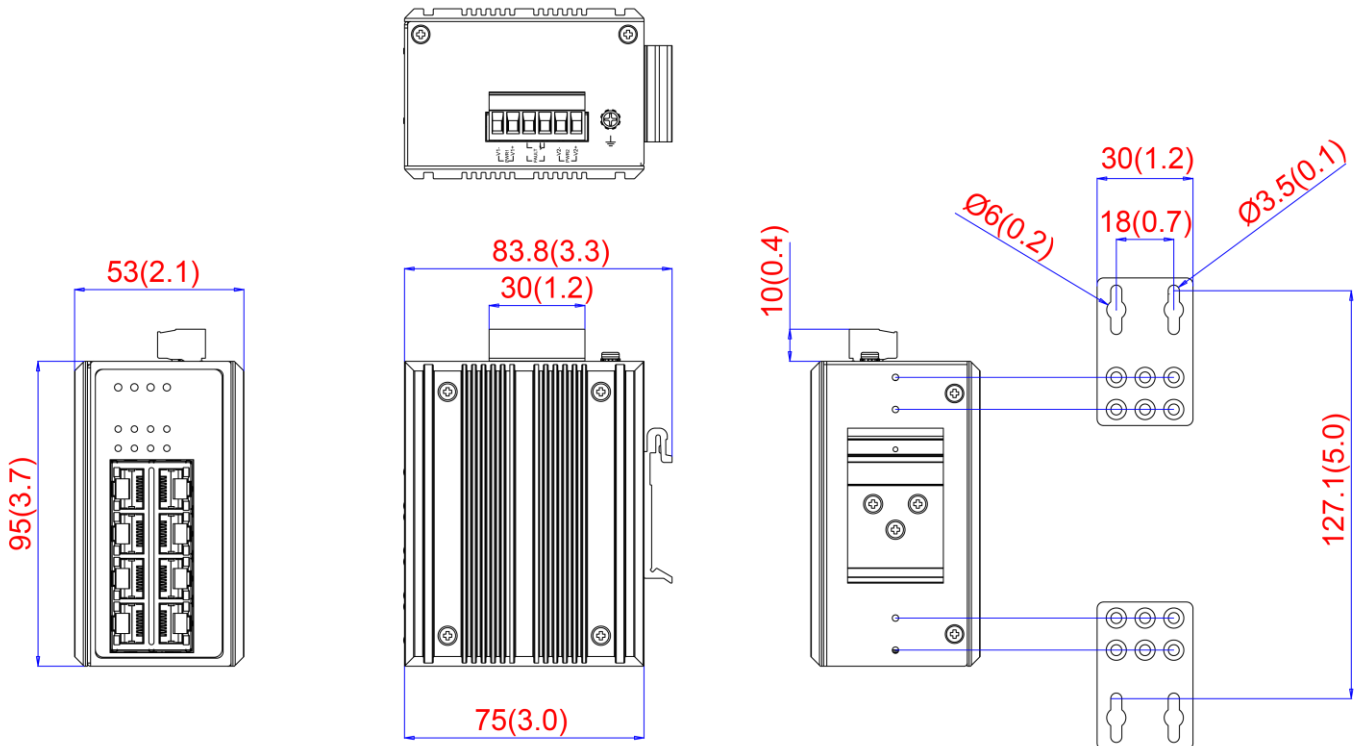
8-Port Industrial Compact Gigabit Ethernet PoE+ Switch
 -8*10/100/1000BASE-T with PoE-PSE (30W/Port), 48-55VDC



- 8-port 10/100/1000BASE-T Gigabit Ethernet with IEEE 802.3at Compliant PoE+, 30W/Port
- 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



Dimension



Unit: mm (inch)

Din-rail

Wall-mount

Specification

Technology

Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T 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)	16Gbps
Memory Buffer	1.5Mbits
MAC Table Size	4K
Jumbo Frame	9,216bytes
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port

Interface

RJ45 Ports	8*10/100/1000BASE-T with PoE-PSE (30W/Port) 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, P/L Ethernet ports: On-Link/Flash-data transmitting PoE: On-connected to PD devices
Relay Contact	24 VDC, 1A resistive
Network Cable	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-T: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Power Requirements

Input Voltage	Dual 48-55VDC 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. 5.5W full loading
Max. PoE Power Budget	240Watts

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	53 x 95 x 75 mm (2.1 x 3.7 x 3.0 inch)
Weight	Unit weight: 0.574kg (1.27 lb), Shipping weight: 0.746kg (1.64 lb)
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 EN55032/EN61000-6-4 Class A
EMS	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)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27

Vibration	IEC60068-2-6
Green	RoHS Compliant
Safety	UL61010-1, UL61010-2-201(Pending)
Compliance	NEMA TS2 (ITS) (apply by request)
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	611,820 hrs.
Warranty	5 Years

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

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Comparison Table

Model Name	10/100/1000 PoE+	100/1000 SFP	Power Inputs	PoE Max. Power Budget	Operating Temperature
CPG2-0800	8	-	48-55VDC	240Watts	-10°C ~ 65°C
CPG2-0800-T	8	-	48-55VDC	240Watts	-40°C ~ 75°C

Ordering Information

CPG2-0800	8-Port Industrial Compact Gigabit Ethernet PoE+ Switch -8*10/100/1000BASE-T with PoE-PSE (30W/Port), 48-55VDC, -10°C ~ 65°C
CPG2-0800-T	8-Port Industrial Compact Gigabit Ethernet PoE+ Switch -8*10/100/1000BASE-T with PoE-PSE (30W/Port), 48-55VDC, -40°C ~ 75°C

Optional Accessories - Power Supply Series

75W Power Supply Series	
EDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-75-48	75W Industrial DIN-Rail Power Supply, 48VDC/1.6A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
120W Power Supply Series	
EDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 60°C
NDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC/2.5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
240W Power Supply Series	
NDR-240-48	240W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
480W Power Supply Series	
NDR-480-48	480W Industrial DIN-Rail Power Supply w/ PFC, 48VDC/10A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C