



PT2-0800-24 Series

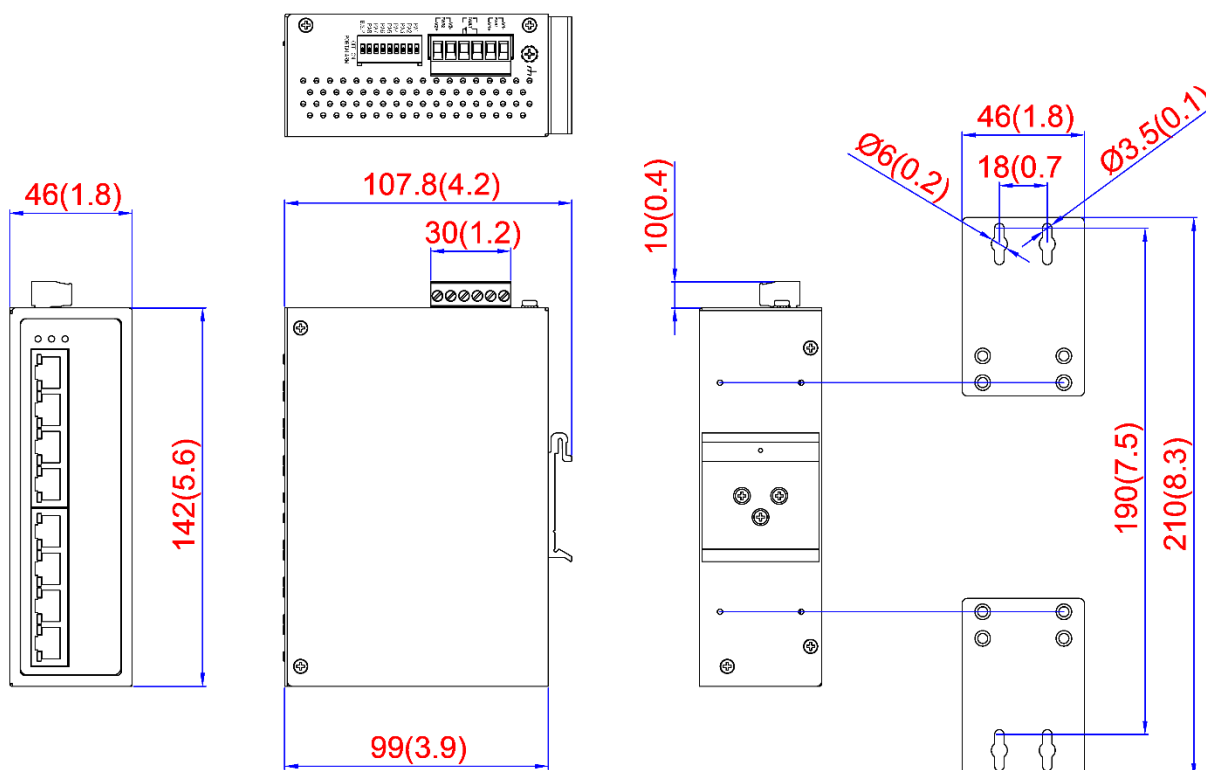
8-Port Industrial PoE+ Ethernet Switch - 8*10/100Tx with PoE-PSE (30W/Port), 12-36VDC Power Input



- 8-port 10/100Tx 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 and Port Link Down
- 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 and 100Base-FX Fast 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	
Back-Plane (Switching Fabric)	1.6Gbps
Memory Buffer	448Kbits
Jumbo Frame	1,536bytes
MAC Table Size	2K
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Interface	
RJ45 Ports	8*10/100BaseT(X) with 8*PoE+ Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (End-span, Mode A)
LED Indicators	System: Power 1, Power 2, Fault 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)
Power Requirements	
Input Voltage	Dual 12-36VDC, Redundant Input
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity	Present
System Power Consumption	Max. 9W full loading
PoE Power Output	30Watts max. per PoE port
Max. PoE Power Budget	90W@12VDC, 200W@36VDC
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions (W x H x D)	46 x 142 x 99 mm (1.81 x 5.59 x 3.9 inch)
Weight	Unit Weight: 0.76kg (1.67lbs.), Shipping Weight: 0.96kg (2.11lbs.)
Mounting	DIN-Rail Mounting, Wall Mounting
Environmental Limits	
Operating Temperature	STD: -10°C ~ 65°C (14°C ~ 149°F) EOT: -40°C ~ 75°C (-40°C ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 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 EN55024/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	UL 508, ISA 12.12.01
Compliance	NEMA TS2 (ITS)–EoT version
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	832,290 hrs.
Warranty	5 Years
NOTE: Due to continuous improvement, all product specifications are subject to change without further notice.	

Packet Contents	pcs
PT2-0800-24(-T) Ethernet switch	1
Wall-mount installation kits	2
Quick installation guide (printed)	1

Comparison Table					
Model Name	10/100T(X) PoE+	100(F)X Fiber	Power Inputs	PoE Max. Power Budget	Operating Temperature
PT2-0800-24	8	-	12-36VDC	90W@12VDC 200W@36VDC	-10°C ~ 65°C
PT2-0800-24-T	8	-	12-36VDC	90W@12VDC 200W@36VDC	-40°C ~ 75°C

Ordering Information	
PT2-0800-24	8-Port Industrial PoE+ Ethernet Switch - 8*10/100T(X) with PoE-PSE (30W/Port), 12-36VDC, -10°C~65°C
PT2-0800-24-T	8-Port Industrial PoE+ Ethernet Switch - 8*10/100T(X) with PoE-PSE (30W/Port), 12-36VDC, -40°C~75°C

Optional Accessories - Power Supply Series	
30W Power Supply Series	
HDR-30-24	36W Industrial DIN-Rail Power Supply, 24VDC/1.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -30°C ~ 70°C
60W Power Supply Series	
HDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 88-264VAC/124-370VDC power input, Plastic, -30°C ~ 70°C
MDR-60-24	60W Industrial DIN-Rail Power Supply, 24VDC/2.5A, Universal 85-264VAC/120-370VDC power input, Plastic, -20°C ~ 70°C
120W Power Supply Series	
NDR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC/5A, Universal 90-264VAC/127-370VDC power input, Metal, -20°C ~ 70°C
240W Power Supply Series	
SDR-240-24	240W Industrial DIN-Rail Power Supply w/ PFC, 24VDC/10A, Universal 88-264VAC/124-370VDC power input, Metal, -25°C ~ 70°C