

PT2-0500-24

5-Port Industrial PoE+ Ethernet Switch

- 5*10/100Tx with 4*PoE Injector (30W/Port), 12-36VDC Power Input



Feature

Unmanaged

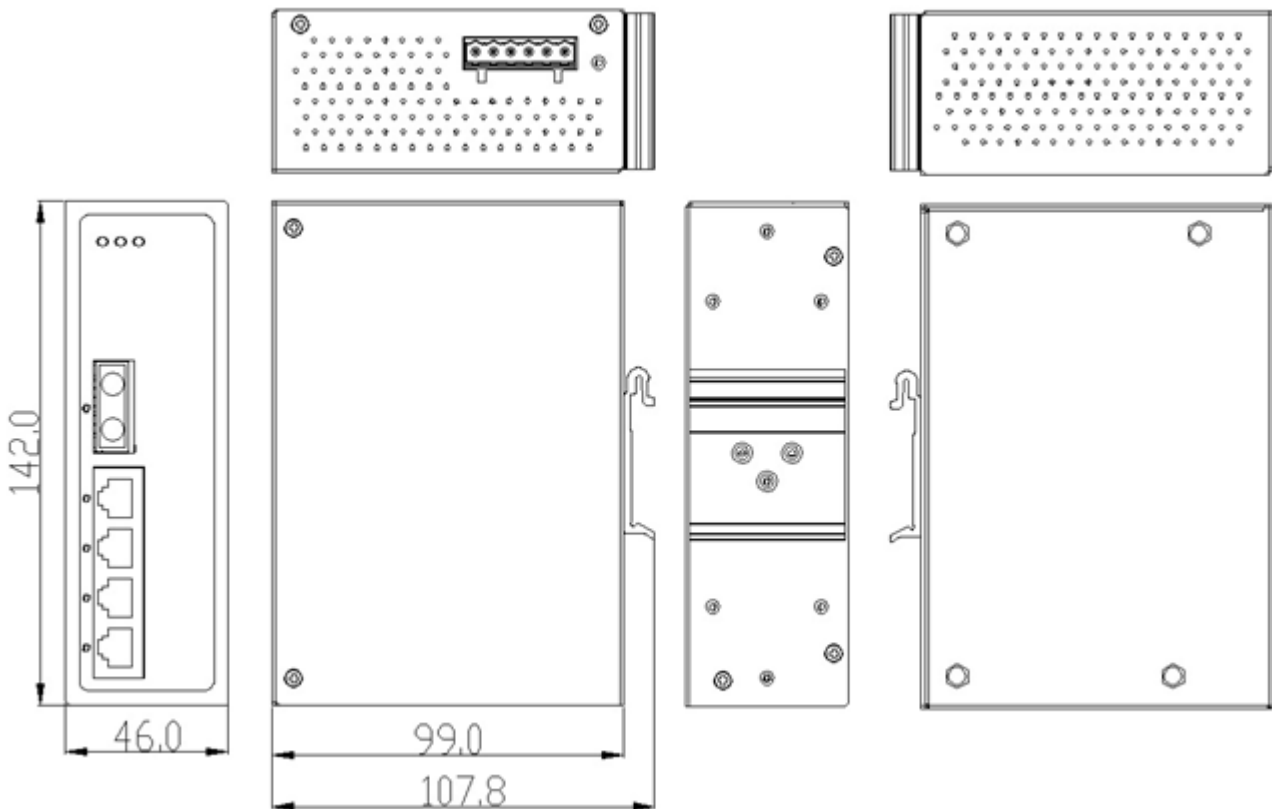
PoE

CorrosiveEnv

- 4-port 10/100Tx with IEEE 802.3at PoE+ Compliance
- 1-port 10/100Tx Fast Ethernet
- Redundant Power Input Design, 12-36VDC
- Built-in Power Booster Design for PoE/PoE+ Output
- 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 (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX 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

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Memory Buffer	448Kbits
MAC Table size	2K

Interface

RJ45 Ports	5*10/100BaseT(X) with 4* PoE+, auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting PoE : On-connected to PD devices
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)

Power Requirements

Input Voltage	12-36VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
PoE Power Output	30Watts max. per PoE port
Power Consumption	5.5Watts for System
Max. PoE Power Budget	90-120Watts/12-36VDC
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	46 x 142 x 99 mm (W x H x D)
Weight	Unit Weight: 0.76kg, Shipping Weight: 0.96kg
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 EN 55022 Class A
EMS	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
Corrosion Protection	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class CX-Extreme) ANSI/ISA 71.04 (Class GX-Severe)
Compliance	NEMA TS2 (ITS) – EoT version
Warranty	5 Years

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

Ordering Information

PT2-0500-24	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port)
PT2-0500-24-T	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port), Extended Operating Temperature: -40° to 75° C
PT2-0500-24 Corrosion Protection Version	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port)
PT2-0500-24-T Corrosion Protection Version	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port), Extended Operating Temperature: -40° to 75° C

Optional Accessories

DR-75-24	75W Industrial DIN-Rail Power Supply, 24VDC
DR-120-24	120W Industrial DIN-Rail Power Supply, 24VDC
DR-240-24	240W Industrial DIN-Rail Power Supply, 24VDC