

PT2-0500

5-Port Industrial PoE+ Ethernet Switch

- 5*10/100Tx with 4*PoE Injector (30W/Port), 48-55VDC Power Input



Feature

Unmanaged

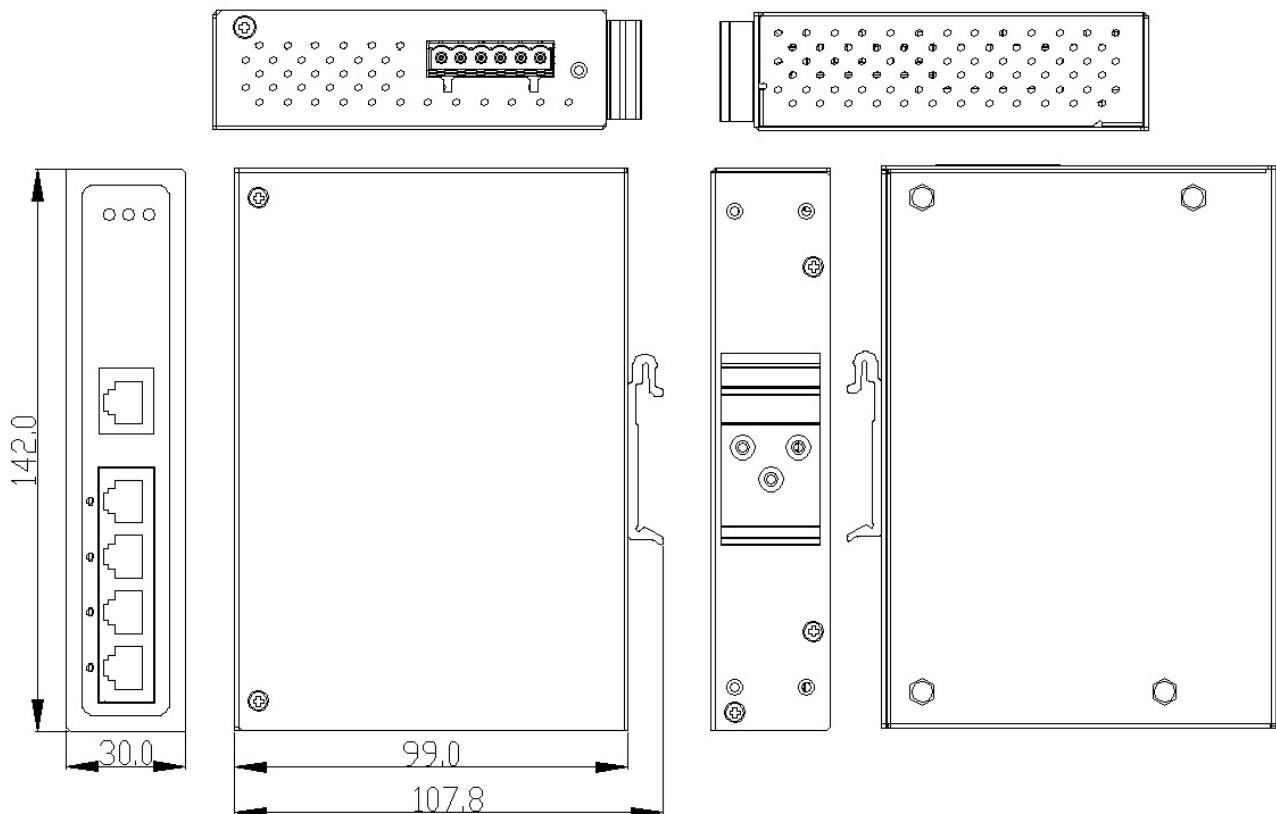
PoE

CorrosiveEnv

- 4-port 10/100Tx with IEEE 802.3at PoE+ Compliance
- 1-port 10/100Tx Fast Ethernet
- Redundant Power Input Design, 48-55VDC
- 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
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Processing Type	Store and Forward
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Protocol	CSMA/CD
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Flow Control	IEEE 802.3x flow control, back pressure flow control
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Switch Properties

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

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

Input Voltage	48-55VDC, Redundant Input
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Overload Current Protection	Present(Slow-Blow Fuse)
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Power Connection	1 removable 6-contact terminal block
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Reverse Polarity Protection	Present
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PoE Power Output	30Watts max. per PoE port
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Power Consumption	4Watts for System
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Max. PoE Power Budget	120Watts
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Relay Contact	24VDC, 1A resistive
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Mechanical Characteristics

Housing	Metal, IP30 protection
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Dimensions	30 x 142 x 99 mm (W x H x D)
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Weight	Unit Weight: 0.5kg, Shipping Weight: 0.7kg
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Mounting	DIN-Rail Mounting, Wall Mounting
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Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F); EOT: -40°C ~ 75°C (-40°F ~ 167°F)
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Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
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Ambient Relative Humidity	5 to 95%, (non-condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
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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)
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Free Fall	IEC60068-2-32
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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)
Warranty	5 Years

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

Ordering Information

PT2-0500	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port)
PT2-0500-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 Corrosion Protection Version	5-Port Industrial PoE+ Ethernet Switch - 5*10/100Tx with 4*PoE Injector (30W/Port)
PT2-0500-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-75-48	75W Industrial DIN-Rail Power Supply, 48VDC
DR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC
SDR-120-48	120W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
SDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)
SDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC, (48-55VDC)