



PS3055AT

100M POE SWITCH

This rugged designed high power 4 port industrial POE+ Injector is equipped with our high efficiency ColdDesign technology which accept input voltage from 44-56VDC to meet IEEE802.3af/at standard, and to reduce the excessive heat problem to a minimum. It is equipped with 4 port 10/100M TX PSE to power up PD device and to provide power 15.4Watts for IEEE802.3af or 30Watts (Max 36W) for IEEE802.3at per port. With our optional models with Fiber uplinks, that can be used as fiber redundancy, cascaded to your other devices to expand your network application. It is being rigorously tested for your Security, Transportation and Telco application.

- ▶ Rugged Industrial 4 port POE injector
- ▶ with 4 x 10/100M TX PSE (IEEE802.3af/at POE+) + 1x10/100M TX
- ▶ POE input voltage 44-56VDC
- ▶ Operating temp: -40°C to +75°C

Technical Specifications

100M POE SWITCH

Model#

PS3055AT

IEEE Standard

IEEE 802.3 10Base-T Ethernet

IEEE 802.3u 100Base-TX Fast Ethernet

IEEE802.3x Flow Control and Back Pressure

IEEE802.3af for POE

IEEE802.3at for POE+

Network connector

4xRJ-45 10/100BaseT(X) auto negotiation, 4 10/100M POE+ 802.3at/af PSE port

1 10/100M TX port, Auto MDI/MDI-X function, Full/Half duplex

Network Cable

UTP/STP above Cat.5e Cable

EIA/TIA-568 10-ohm (100m)

Fiber Cable (Multi-mode):50/125um,62.5/125um / Fiber Cable (Single-mode): 9/125um

Protocol / Switch Architecture / Packet Buffer Size

CSMA/CD / Back-plane (Switching Fabric): 1.0Gbps / 1M

Housing / Data Processing / MAC address Table Size

Rugged Metal, IP30 Protection / Store and Forward / 1K

LED

PW1(Power 1) Green, PW2(Power 2) Green, SW(Relay) Amber

TX/RJ-45 port: Green --- LNK (Link/Active), Amber --- POE link

FX Fiber port: (N/A)

POE power

Input Voltage 44VDC-56VDC

POE power per port 30watts. Maximum 36Watts with 56VDC input

Maximum total power 126Watts with 56VDC input

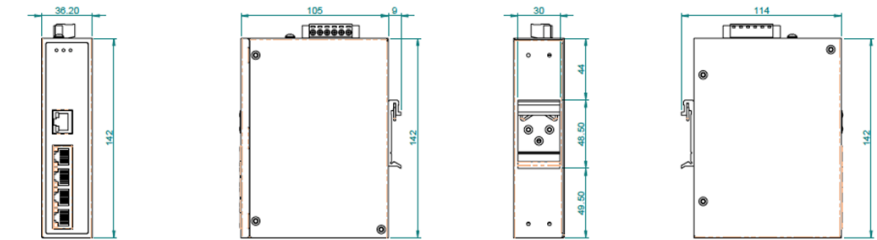
Power Supply

Redundant Dual DC 9V-56V Power Input

Switch input 9-56VDC

POE input 44-56VDC

Dimension:



Case Dimension (L x W x D) / Installation

142mmx36.2mmx105mm / DIN Rail mounting and Wall Mounting

Reserve polarity protection & Overload current protection

Present

Power consumption / Flow Control

3.76W@48 VDC full load, Without POE / IEEE 802.3x Flow Control and Back Pressure

Removable terminal block

Provide 2 Redundant power, Alarm relay contact, 6 Pin

Wire range: 0.34mm^2 to 2.5mm^2

Solid wire (AWG):12-24/14-22

Stranded wire(AWG): 12-24/14-22

Torque:5lb-In/0.5Nm/0.56Nm

Wire Strip length: 7-8mm

MTBF (mean time between failure)

510,304 hrs (MIL-HDBK-217F) at 25°C

Certifications

EN55022/24	ITE equipment
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall
EN50155	Railways Applications Electronic Equipment used on Rolling Stock

Alarm Relay Contact

Relay outputs with current carrying capacity of 1 A @24VDC, Relay in open circuit mode when 2 powers are connected. In short circuit mode when only one power supply is connected

Operating temperature / Operating Humidity / Storage temperature

-40°C ~ 75°C fully tested / 5% to 95% (Non-condensing) / -40°C ~ 85°C