



PS3089A

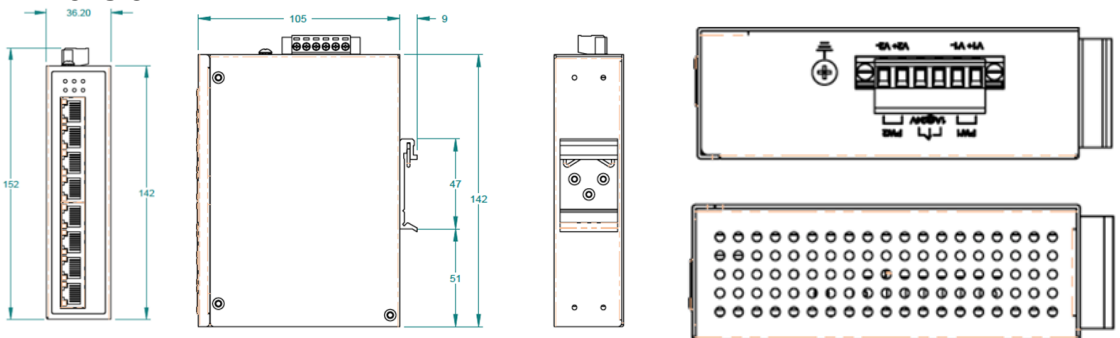
100M POE SWITCH



This 10/100M industrial 8 port high power POE switch is equipped with 8 port 30Watts PSE. It is designed for 44-56VDC input sources, especially for IP surveillance, traffic monitoring and for a broad range of applications. It can be used as a stand-alone device for buses, trucks, and other vehicles for Surveillance purposes. It is being rigorously tested for your Security, Transportation and Telco application.

- ▶ Rugged Industrial 8 port 10/100M POE Injector
- ▶ With 8x10/100 TX PSE 30Watts (802.3af/at POE+)
- ▶ 44-56VDC input
- ▶ Operating temp: -40°C to +75°C

Dimension:



Technical Specifications

100M POE SWITCH

Model#
PS3089A

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
8xRJ-45 10/100BaseT(X) auto negotiation, 8 x POE+ 802.3at/af PSE port
Auto MDI/MDI-X function, Full/Half duplex

Network Cable
UTP/STP above Cat.5e Cable
EIA/TIA-568 10-ohm (100m)

Protocol / Switch Architecture / Packet Buffer Size
CSMA/CD / Back-plane (Switching Fabric): 1.6Gbps / 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: LNK (Link/Active) Green, Amber: POE Detected

POE power
POE power per port 30watts. Maximum 36Watts
Maximum total power 200Watts,
Supports IEEE802.3af/a

Power Supply
Redundant Dual DC 44V-56V Power Input
Switch input 9-56VDC

Case Dimension (L x W x D) / Installation / Jumbo Frame
142mmx36.2mmx105mm / DIN Rail mounting and Wall Mounting / 9KB

Reserve polarity protection & Overload current protection
Present

Power consumption / Flow Control
5.76W@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 short circuit mode when 2 powers are connected. in open 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