



PS3105T

100M POE SWITCH

This Industrial POE switch is designed with Hardened Marvell IC and Hardened POE controller to ensure performance in harsh environment. It is equipped with 8 ports 30Watts 100M PSE and 2 x Giga TX to expand your network distance. With our ColdDesign technology, it will not only power up your PD and also reduce its excessive heat to a minimum. It has been rigorously tested for your Security, Surveillance, and transportation applications.

- ▶ Industrial 10 port POE Switch
- ▶ Designed with hardened Marvell IC and hardened POE controller
- ▶ With 8x10/100M 30W PSE + 2x 1000M TX
- ▶ Support Power 1, Power 2, and Power DIN (For external power adapter)
- ▶ Input 44-56VDC
- ▶ Operating temp -40°C to 75°C

Technical Specifications

100M POE SWITCH

Model#
PS3105T

IEEE Standard
IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3ab 1000Base-TX Gigabit 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,
2xRJ-45 10/100/1000BaseT(X) auto negotiation
8 10/100M 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): 5.6Gbps / 1M

Housing / Data Processing / MAC address Table Size
Rugged Metal, IP30 Protection / Store and Forward / 8K

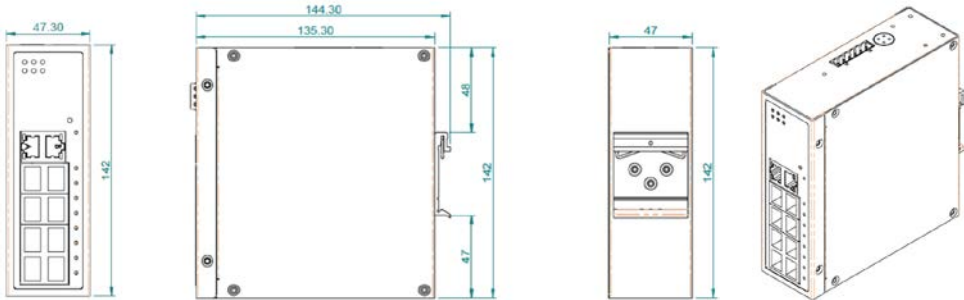
LEDs
PW1(Power 1) Green, PW2(Power 2) Green, PW3(Power 3) Amber for External Power adapter, RLY (Relay) Amber
TX/RJ-45 port: Green - LNK (Link/Active), Amber - 100M, Giga TX port, Green/Link, Flash/active
POE, Green POE detected

POE power
Input Voltage 44VDC-56VDC
POE power per port 30watts. Maximum 36Watts with 56VDC input
Maximum total power 200Watts with 56VDC input

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



Dimension:



Case Dimension (L x W x D) / Installation
142mmx47.3mmx135.3mm / DIN Rail mounting and Wall Mounting

Reserve polarity protection & Overload current protection
Present

Power consumption
5.76W@48 VDC full load, Without POE

Removable terminal block
Provide 2 Redundant powers , Alarm relay contact ,6 Pin for PW1 and PW2 (PW3 is an independent Power din connection for external power adapter)
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)
490,304 hrs (MIL-HDBK-217F) at 25°C

Certifications	
EN55022/24	ITE equipment
EN55011	Industrial, Scientific and Medical (ISM) equipment
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

Alarm Relay Contact
Relay outputs with current carrying capacity of 1 A @24VDC, for PW1 and PW2
Relay in open circuit mode when 2 powers are connected. In short circuit mode when only one power supply is connected

Power Supply
PW1 and PW2 for Redundant Dual DC 48V-56V
PW3 for Power DIN to connect external power adapter DC 48-56V
For Switch only --- Power input range DC 12-56VDC
For POE --- Power input range 44-56VDC