

# PS3105C

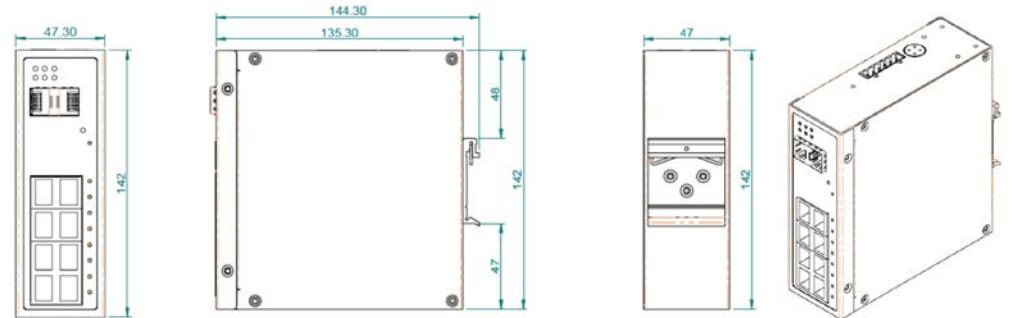
## 100M POE SWITCH



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 10/100M PSE and 2 x Giga SFP fiber 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 + 2x1000M SFP
- ▶ Support Power 1, Power 2, and Power DIN (For external power adapter)
- ▶ Input 48-56VDC
- ▶ Operating temp -40°C to 75°C

### Dimension:



## Technical Specifications

### 100M POE SWITCH

#### Model#

PS3105C

#### IEEE Standard

IEEE 802.3 10Base-T Ethernet  
 IEEE 802.3u 100Base-TX Fast Ethernet  
 IEEE 802.3ab 1000Base-T Gigabit Ethernet  
 IEEE 802.3z 1000Base-X 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, 8 Giga POE+ 802.3at/af PSE port,  
 2 x 1000M TX / SFP 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): 21Gbps / 2M

#### Housing / Data Processing / MAC address Table Size

Rugged Aluminum, IP30 Protection / Store and Forward / 8K

#### LEDs

PW1(Power 1) Green, PW2(Power 2) Green, PW3(Power 3) Amber for Power DIN, RLY (Alarm Relay) Amber, T9 (SFP) Green/Link, Flash/active, T10 (SFP) Green/Link, Flash/active  
 TX/RJ-45 port: Green - LNK (Link/Active), Amber - POE, Fiber port, T9 (SFP) Green/Link, Flash/active, T10 (SFP) Green/Link, Flash/active  
 POE, Green POE detected

#### POE power

Input Voltage 48VDC-56VDC  
 POE power per port 30watts. Maximum 36Watts with 56VDC input  
 Maximum total power 240Watts with 56VDC input

#### Operating temperature / Operating Humidity / Storage temperature

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

### Case Dimension (L x W x D) / Installation

155mmx48mmx120mm / 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. And circular POWER DIN for power adapter

Wire range: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup>

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)

510,400 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 48-56VDC