



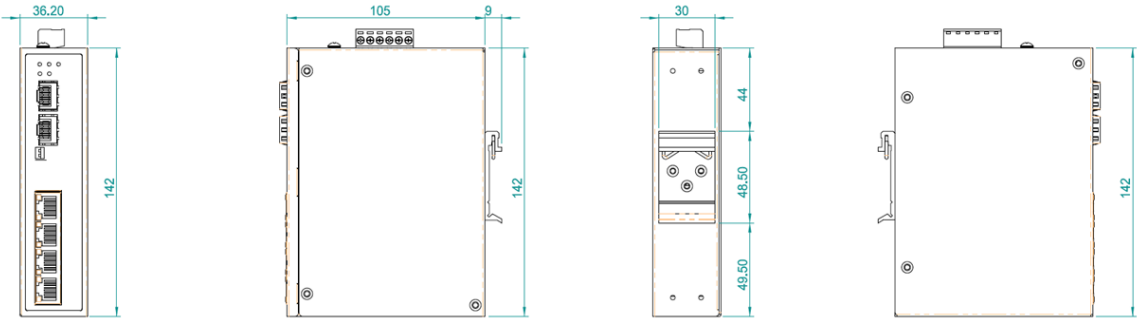
PS3069AF

Gigabit POE Switch

This industrial high power POE+ is designed for 48-56VDC input sources, especially for IP surveillance, traffic monitoring and for a broad range of applications. It accepts 3 power input source, from PW1, PW2, and Power DIN (or external power adapter). It can be used as a stand-alone device for buses, trucks, and other vehicles for Surveillance purposes. And it also can be used to cascaded/daisy-chain to other devices to cover wider area through the SFP connection.

- ▶ Rugged Industrial 6 port Gigabit POE Switch
- ▶ Designed with hardened Marvell IC and hardened POE controller
- ▶ 4x10/100/1000M TX 30W PSE (802.3af/at POE+) + 2 100/1000M SFP
- ▶ Support power 1, power 2, and power din (for external power adapter)
- ▶ Input Voltage: 48-56VDC, Operating temp: -40°C to +75°C

Dimension:



Technical Specifications

Gigabit POE Switch

Model#
PS3069AF

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+

Switch Architecture / Data Processing / Packet buffer size
Back-plane (Switching Fabric): 12Gbps / Store and Forward / 1M

Flow Control / Jumbo Frame / MAC address table size
IEEE 802.3x Flow Control and Back Pressure / 9KB / 1K

Network connector
4xRJ-45 10/100/1000BaseT(X) auto negotiation / 4 Giga POE+ 802.3at/af PSE port
Auto MDI/MDI-X function, Full/Half duplex / 2 x SFP 100/1000M BaseX

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 / Case Dimension (L x W x D) / Installation
CSMA/CD / 142mmx43mmx105mm / DIN Rail mounting and Wall Mounting

POE power
POE power per port 30watts. Maximum 36Watts
Maximum total power 126Watts
Supports IEEE802.3af/at

Removable terminal block
Provide 2 Redundant power, Alarm relay contact, 6 Pin. And circular POWER DIN for 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

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

Reserve polarity protection & Overload current protection
Present

Power supply
Redundant Dual DC 48V-56V Power Input
POE input 48-56VDC

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

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

Housing
Rugged Metal, IP30 Protection

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

MTBF (mean time between failure) / Power Consumption
460,304 hrs (MIL-HDBK-217F) at 25°C / 5.76W@48 VDC full load, Without POE

Certifications	
EN55022/24	ITE equipment
EN55011	Industrial, Scientific and Medical (ISM) equipment
Safety / EMC/EMS	IEC EN60950-1, 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

DIP Switch
DIP 1: OFF: RSVD; ON: RSVD
DIP 2: OFF: SFP 1000M (DEFAULT); ON: SFP 100M