



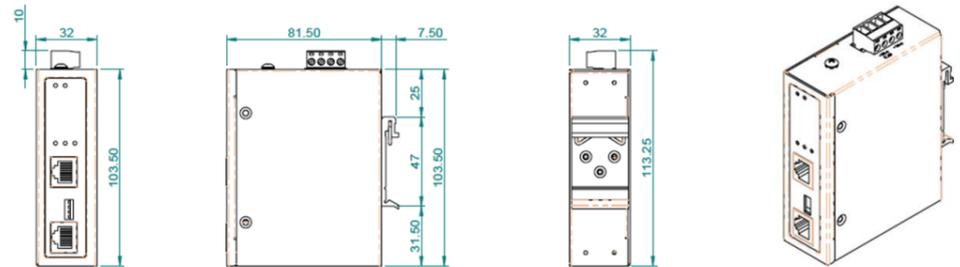
PI3019A

Industrial Gigabit POE Injector

This rugged designed 30 Watts, high power Single port industrial POE Injector is equipped with our high efficiency ColdDesign technology to provide 30 Watts power to your security equipment. The ColdDesign technology will not only power up your PD device, also reduce the excessive heat problem to a minimum. It accepts the input voltage from 48~56 VDC to deliver 30Watts power to meet IEEE802.3af/at standard. It is being rigorously tested for your Security, Transportation and Telco application.

- ▶ Industrial Gigabit POE Injector
- ▶ 36 Watts, Mode A
- ▶ VDC 48-56
- ▶ 1x10/100/1000M TX PSE (802.3af/at POE+) TX
- ▶ 1x10/100/1000M TX
- ▶ Operating temp: -40°C to +75°C

Dimension:



Technical Specifications

Industrial Gigabit POE Injector

Model#
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IEEE Standard
IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet
IEEE 802.3ab 1000Base-T Gigabit Ethernet
IEEE802.3af for POE
IEEE802.3at for POE+

Network connector
1xRJ-45 10/100/1000BaseT(X) Data
1xRJ-45 10/100/1000BaseT(X) Data with POE Output power

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

Protocol
CSMA/CD

Housing
Rugged Metal, IP30 Protection

LED
PW1(power 1) Green: ON- power good, OFF-power failed
PW2(power 2) Green: ON- power good, OFF-power failed
POE Yellow: ON- POE Normal working
FLASH - Overload
OFF- NO POE power detected

POE Pin Assignment
Mode A model, V+, V+, V-, V- for pin 1, 2, 3, 6
Mode B model, V+, V+, V-, V- for pin 4, 5, 7, 8

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)
103.5mmx32mmx81.5mm

Reserve polarity protection & Overload current protection
Present

Power supply
2 Redundant power source, 48V~56V VDC Power Input

Power consumption / Installation
1 W @ 12/24/48 VDC full load, Without POE / DIN Rail mounting and Wall Mounting

Removable terminal block
Provide 4 pin terminal block
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
EN50155 (pending)	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4 (pending)	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