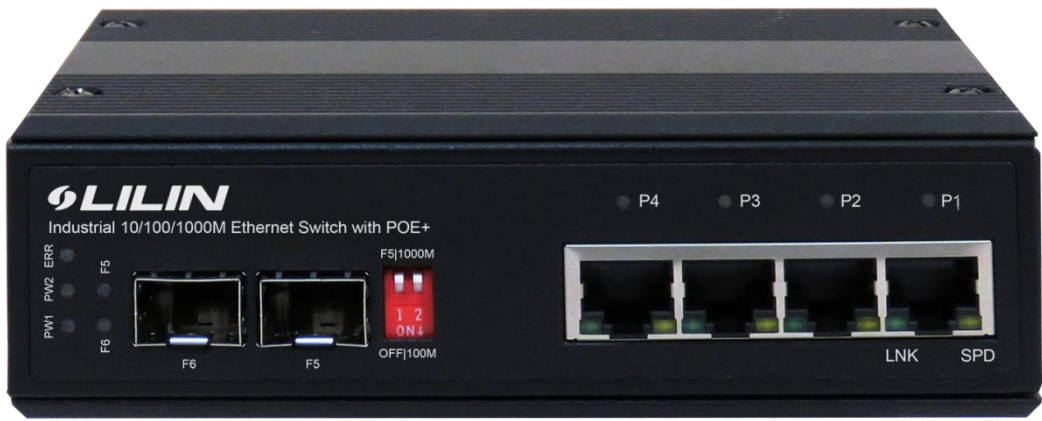




PS3062F

Gigabit POE Switch

This Super Voltage Booster --- The high power 4 port industrial POE+ Injector is equipped with our high efficiency ColdDesign technology which allows low input voltage, such as 12/24/48VDC be boost up to 55VDC to meet IEEE802.3at requirement. The ColdDesign technology will not only boost up Input Voltage, also reduce the excessive heat problem to a minimum. It accepts the input voltage as low as 12VDC, to be boost up to 55VDC. And it is also equipped with 2 port SFP fiber that can be used as fiber redundancy, cascaded to your other devices to expand your network application. It is being rigorously tested for your Security, Transportation and Telco application.

- ▶ Rugged Industrial 4 port Gigabit POE Injector
- ▶ Super Voltage Booster -- 12V/24V/48VDC Power input
- ▶ 4x10/100/1000M TX PSE (802.3af/at POE+)
- ▶ 2x100/1000M SFP, Boost Voltage from 12/24/48VDC to 55VDC
- ▶ Voltage input range 12-56VDC
- ▶ Operating temp: -40°C to +75°C

Technical Specifications

Gigabit POE Media Converter

Model#

PS3062F

IEEE Standard

IEEE 802.3 10Base-T Ethernet / IEEE 802.3z 1000Base-X Gigabit Ethernet
IEEE 802.3u 100Base-TX Fast Ethernet / IEEE802.3x Flow Control and Back Pressure
IEEE 802.3ab 1000Base-T Gigabit Ethernet / 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)

CSMA/CD / 142mmx43mmx105mm

DIP switch

DIP 1: OFF: Port 5 SFP ON (DEFAULT); ON: Port 5 SFP OFF
DIP 2: OFF: SFP 1000M (DEFAULT); ON: SFP 100M

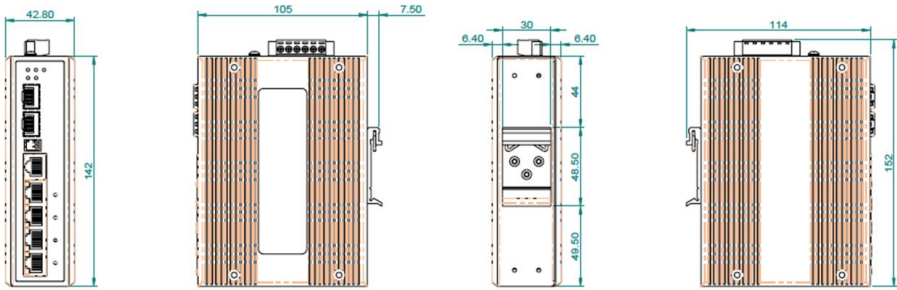
POE power

POE power per port 30watts. Maximum 36Watts per port at 12/24/48VDC input
Maximum total power 126Watts at 24VDC and 48VDC power input
Maximum total power 65W at 12VDC power input

Removable terminal block

Provide 2 Redundant power, Alarm relay contact, 6 Pin
Solid wire (AWG):12-24/14-22
Wire range: 0.34mm^2 to 2.5mm^2
Stranded wire(AWG): 12-24/14-22
Torque:5lb-In/0.5Nm/0.56Nm
Wire Strip length: 7-8mm

Dimension:



LED

PW1(Power 1) Green, PW2(Power 2) Green, ERR(Fault) Amber,
TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF) ,1000 (Green)
SFP Fiber Per port: Link (Green), Active Flash

Reserve polarity protection & Overload current protection

Present

Power supply

Redundant Dual DC 12V-56V Power Input

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

Power consumption / Installation

5.76W@12/24/48 VDC full load, Without POE / DIN Rail mounting and Wall Mounting

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)

510,304 hrs (MIL-HDBK-217F) at 25°C

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
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
EN50155	Railways Applications Electronic Equipment used on Rolling Stock