

SNI-1PI-PS90

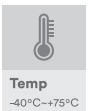
INDUSTRIAL MAINS POWERED 1GB 30/60/90W POE INJECTOR

Industrial Ethernet Solutions

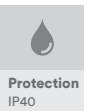
Industrial PoE injectors provide 30W, 60W or 90W of power injection on one 1Gb Ethernet port. Provided with integrated mains power input and robust surge protection as standard ensures maximum system reliability.



Gigabit
x1



Temp
-40°C~+75°C



Protection
IP40



Mounting
DIN/Surface



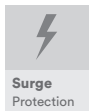
Mounting
Magnetic



PSU
Mains



Input
IEC C14



Surge
Protection



NDAA/TAA
Compliant

[SNI-1PI-PS90]

/ OVERVIEW

Designed in a compact thermally efficient DIN rail or wall mount housing, industrial Power over Ethernet (PoE) injectors are ideally suited for providing power to remote edge network devices.

Supporting both IEEE802.3at 30W and IEEE802.3bt 60/90W they are suitable for powering the latest high powered PoE devices over a wide industrial operating temperature range.

Fitted with an integrated fully industrial mains power supply supporting 30W, 60W or 90W PoE power.

Designed as standard single channel injectors supporting 1Gb Ethernet.

Robust surge protection ensures maximum operating reliability and the highest levels of performance.

/ FEATURES

- Compact size – ideal for confined spaces, including camera housings, poles and roadside cabinets
- -40°C to +75°C temperature maintains performance in extreme conditions
- DIN rail, wall or magnetic mountable - quick to install and remove for maintenance
- Compatible with Hanwha SBP-400WMW outdoor wall & pole mount for a fully integrated solution
- Supports 15W, 30W, 60W and 90W PoE
- Integrated surge protection with up to 20kA discharge capability for maximum protection in harsh environments
- Integrated mains power supply with 54V_{DC} @ 90W output
- Designed in the USA & UK. Manufactured in the United Kingdom
- Lifetime Support Warranty

Specifications

Standards.

IEEE802.3i	10Base-T
IEEE802.3u	100Base-TX
IEEE802.3ab	1000Base-T
IEEE802.3af	15W PoE
IEEE802.3at	30W PoE+
IEEE802.3bt	60 & 90W PoE
IEEE802.3x	Flow Control
Jumbo Frames	Transparent to Jumbo Frames
VLAN Support	Transparent to VLAN traffic
Multicast Support	Transparent to Multicast traffic

Interface.

LED Indicators	1x Power PoE
RJ45 Ports	2x 10/100/1000T(X) RJ45 with 2 kV Isolation Protection
Mains Power	1x IEC C14 Socket

Power.

Power Inputs	1
Input Voltage	85-264V _{AC} or 120-370V _{DC}
Input Frequency	47-63 Hz
Input Current	2A (115V _{AC}) / 1A (230V _{AC})
Power Consumption	2W Max (without PoE Load)
Integrated PSU Type	54V _{DC} @ 90W (Refer to derating chart)
PSE Modes	Mode A, Mode B
Protection	Overload Current

Mechanical.

Housing	Anodised Aluminium
Dimensions:	(W x D x H)
Including Wall Mounts	140 × 148 × 43 mm 5.51 × 5.83 × 1.69 in
IP Rating	IP40
Installation	Wall Mount, DIN-Rail, Magnetic Mount or SBP-400WMW Mount
Weight	0.60kg / 1.32lb

Packaging.

Shipping Weight	1.20kg / 2.65lb
Dimensions	(W x D x H) 282 × 296 × 65 mm 11.10 × 11.65 × 2.56 in

Surge Protection*.

AC Surge Protection:	
Line-Earth	±4KV 1.2/50μs (8/20μs)
Line-Line	±2KV 1.2/50μs (8/20μs)
RJ45/PoE Surge Protection:	
Technology	GDT
Nominal Line Voltage	48-57V _{DC}
Max DC Voltage	75V _{DC}
Protection Level	75V _{DC} (C3 Category Line/Line)
Impulse Current	2kA (D1 Category 10/350μs x 1)
Line/Line Nominal Discharge Current	2kA (C2 Category)
Line/Earth Nominal Discharge Current	10kA (C2 Category 8/20μs x 10)
IEC 61000-4-5 (Surge)	20kA (8/20μs x 1)
Pinout	(1-2)(3-6)(4-5)(7-8)
Failsafe Mode	Short-Circuit / Cut-Off
Disconnect Indicator	Transmission Interrupt
*Earth must be connected for protection	

Environmental.

Operating Temp.	-40 to +75°C / -40 to +167°F
Storage Temp.	-40 to +85°C / -40 to +185°F
Humidity	5% to 95% (non-condensing)
MTBF	>300,000 hours
MTBF Standard	MIL-HDBK-217F GF 25°C
Heat Dissipation	109 BTU/h (30W PoE) 212 BTU/h (60W PoE) 314 BTU/h (90W PoE)
Cooling	Passive Cooling
Noise Level	0 dBA

Regulatory. (pending)

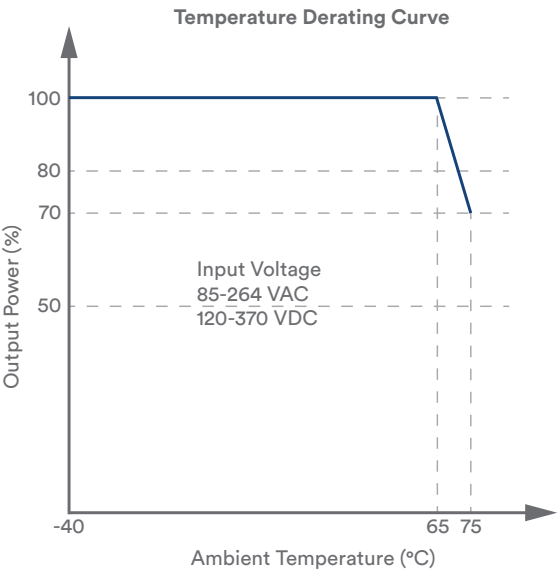
Safety	EN 62368-1 Class I
EMI	EN 55032 Class A CISPR 32
EMS	FCC Part 15B Class A EN 61000-4-2 (ESD) EN 61000-4-3 (RS) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-11 (Dips)
Surge	IEC/EN 61643-21
Rail	EN 50121-4 Class A
Traffic	NEMA TS2
Environmental	Reach, RoHS, WEEE
Supply Chain	NDAA & TAA Compliant

Part Numbers

1Gb Industrial PoE Injectors With Integrated Mains PSU

SNI-1PI-PS90-UK	Industrial 1 Port PoE Injector, 1 × 10/100/1000Base-T(x) RJ45 Port (Input), 1 × 10/100/1000Base-T(x) RJ45 Port With 802.3bt 30/60/90W PoE (Output), Internal 90W PSU With UK Power Plug
SNI-1PI-PS90-EU	Industrial 1 Port PoE Injector, 1 × 10/100/1000Base-T(x) RJ45 Port (Input), 1 × 10/100/1000Base-T(x) RJ45 Port With 802.3bt 30/60/90W PoE (Output), Internal 90W PSU With EU Power Plug

De-Rating Charts



Included Accessories

DIN Rail Adapter Mounting Plate	Metal DIN Rail Clip & Screws For DIN Rail Mounting
Magnets	Mounting Plate & Screws For Wall / Surface, DIN Rail or SBP-400WMW Outdoor Camera Arm Mounting (SBP-400WMW sold separately)
Mains Cable	2x Bottom Mounted Magnets & Screws For Mounting To Steel Back Plate or to Included Mounting Plate
	Region Specific UK or EU Down Angle IEC Line Cord (based on model number ordered)

