

SNI-2HMC-PS90

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

Industrial Ethernet Solutions

Mains powered industrial PoE injectors provide 30W, 60W or 90W of power injection on one 1Gb Ethernet port. A second Ethernet port along with a multirate 100Mb/Gigabit Ethernet SFP port is provided for additional media converter functionality.



Gigabit
x1



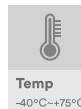
Gigabit
x1



100/1000
x1



Features
DIP Switch



Temp
-40°C~+75°C



Protection
IP40



Mounting
DIN/Surface



Mounting
Magnetic



PSU
Mains



Input
IEC C14



NDAA/TAA
Compliant

[SNI-2HMC-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.

The integrated SFP ports allows the device to operate as an unmanaged switch or media converter in addition to the PoE injector function and is ideally suited for connecting equipment to Ethernet networks over long distances using all types of fiber through the SFP port.

User selectable DIP switches allow for configuration of the intelligent link fault pass-through feature for remote end failure detection as well as remote device reset to allow end device reboots from the control room. Multiple port isolation and traffic direction features are also available using the DIP switches.

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

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
- All SFP ports are multirate 100Mb/Gigabit – support single and multimode, 1 or 2 fiber options up to 120Km
- DIP switch selection of link fault pass-through, remote device reset and extended distance etc.
- Compatible with Hanwha SBP-400WMW outdoor wall & pole mount for a fully integrated solution
- Supports 15W, 30W, 60W and 90W PoE
- Integrated mains psu 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 & 100Base-FX
IEEE802.3ab	1000Base-T
IEEE802.3z	1000Base-X
IEEE802.3af	15W PoE
IEEE802.3at	30W PoE+
IEEE802.3bt	60 & 90W PoE
IEEE802.3x	Flow Control

Jumbo Frames	9.2Kbytes
Address Table	2K MAC Entries

Interface.

LED Indicators	1x Power Status SFP Link/Activity RJ45 Link/Activity PoE Alarm
RJ45 Ports	2x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X and 2 kV Isolation Protection
SFP Slot	1x 100/1000FX SFP
Mains Power	1x IEC C14 Socket

Switches.

Switch	1x 10 Position DIP Switch
Switch Functions*	Local/Remote Mode Link Fault Pass-Through Mode Remote Reset Mode Extended Distance Mode Directed Traffic Mode 2 Port Isolation Mode

*Not all switch functions can be used at the same time.

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	2.5W Max (without PoE Load)
Integrated PSU Type	54V _{DC} @ 90W (Refer to derating chart)
PSE Modes	Mode A, Mode B
Protection	Overload Current

Packaging.

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

Mechanical.

Housing Dimensions:	Anodised Aluminium (W x D x H) 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

Surge/ESD Protection*.

AC Surge Protection:	
Line-Earth	±4KV 1.2/50μs (8/20μs)
Line-Line	±2KV 1.2/50μs (8/20μs)
RJ45/PoE Surge/ESD Protection:	
Technology	Diode
IEC 61000-4-2 (ESD)	±12KV Contact Discharge ±15KV Air Gap Discharge
IEC 61000-4-4 (EFT)	80A (5/50ns)
IEC 61000-4-5 (Surge)	2A (8/20μs x 1)
Pinout	(1-2)(3-6)(4-5)(7-8)
*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

Specifications

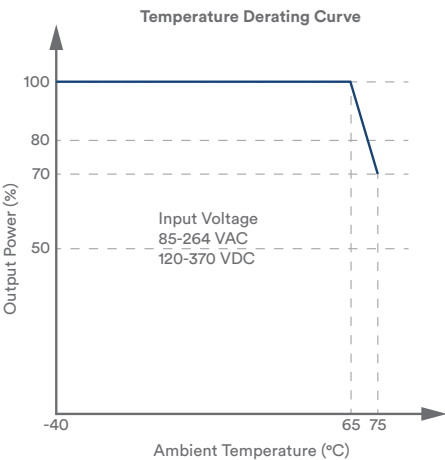
Regulatory. (pending)		EMS	EN 61000-4-2 (ESD) EN 61000-4-3 (RS) EN 61000-4-4 (EFT) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-11 (Dips)
Safety	EN 62368-1 Class I	Environmental Supply Chain	EN 61000-4-3 (RS)
EMI	EN 55032 Class A CISPR 32		EN 61000-4-5 (Surge)
Rail	FCC Part 15B Class A	Environmental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

Part Numbers

1Gb Industrial PoE Injectors / Media Converters With Integrated SFP Port & Mains PSU

SNI-2HMC-PS90-UK	Industrial PoE Injector / Media Converter, 1 × 10/100/1000BaseT(x) RJ45 with 30/60/90W PoE, 1 × 10/100/1000BaseT(x) RJ45, 1 × 100/1000BaseFx SFP, Internal 90W PSU With UK Power Plug
SNI-2HMC-PS90-EU	Industrial PoE Injector / Media Converter, 1 × 10/100/1000BaseT(x) RJ45 with 30/60/90W PoE, 1 × 10/100/1000BaseT(x) RJ45, 1 × 100/1000BaseFx SFP, 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)

