SNI-1MC-PS INDUSTRIAL MAINS POWERED MINI MEDIA CONVERTER WITH 30/60/90W POE

WISENET

Industrial Ethernet Solutions

Wisenet mains powered mini media converters provide a multirate 100Mb/Gigabit Ethernet uplink over fiber via the SFP port with 30W, 60W or 90W PoE. Additional features are supported by user-configurable DIP switches for advanced functionality.

Gigabit x1	**100/1000** x1	**Temp** -40°C~+75°C	**Protection** IP40	**Mounting** DIN/Surface	**Mounting** Magnetic	**PSU** Mains	**Input** IEC C14	**NDAA/TAA** Compliant

[SNI-1MC-PS]

/ OVERVIEW

Designed in an ultra compact DIN rail or wall mount housing, the Wisenet series miniature mains powered media converters are ideally suited for connecting equipment to Ethernet networks over long distances using all types of fiber through the integrated SFP port. Fiber connectivity is determined by separate SFP device selection, providing application and site flexibility.

Available as a PoE model for 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 and 90W PoE power.

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 and 250M extended distance mode on the RJ45 port.

/ FEATURES

— Ultra compact size – ideal for confined spaces, including camera housings and roadside cabinets

— -40°C to +75°C temperature maintains performance in extreme conditions

— DIN rail or wall mountable - quick to install and remove for maintenance (an optional magnetic mount is also available)

— All SFP ports are multirate 100Mb/Gigabit – support single and multimode, single or dual fiber options up to 120Km

— DIP switch selection of link fault pass-through, remote device reset and extended distance modes

— Supports 15W, 30W, 60W and 90W PoE

— 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 & 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
	SFP Link/Activity
	RJ45 Link/Activity
	PoE
	Alarm
RJ45 Ports	1x 10/100/1000T(X) RJ45 with Auto MDI/MDI-X and 2 kV Isolation Protection
SFP Slot	1x 100/1000FX SFP
Mains Power	1x 3-Way Screw Terminal

Switches.

Switch	1x 4 Position DIP Switch
Switch Functions	Link Fault Pass-Through Mode
	Remote Reset Mode
	Extended Distance Mode

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	TBDkg / TBDlb
Dimensions	(W x D x H)
	220 × 170 × 40 mm
	8.66 × 6.69 × 1.57 in

Mechanical.

Housing Dimensions:	Anodised Aluminium (W x D x H)
Excluding DIN & Wall Mounts	38 × 110 × 84 mm
	1.50 × 4.33 × 3.31 in
IP Rating	IP40
Installation	Wall Mount or DIN-Rail Optional Magnetic Mounts
Weight	0.48kg / 1.06lb

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	7 BTU/h (Non-PoE)
	109 BTU/h (30W PoE)
	314 BTU/h (90W PoE)
Cooling	Passive Cooling
Noise Level	0 dBA

Regulatory.

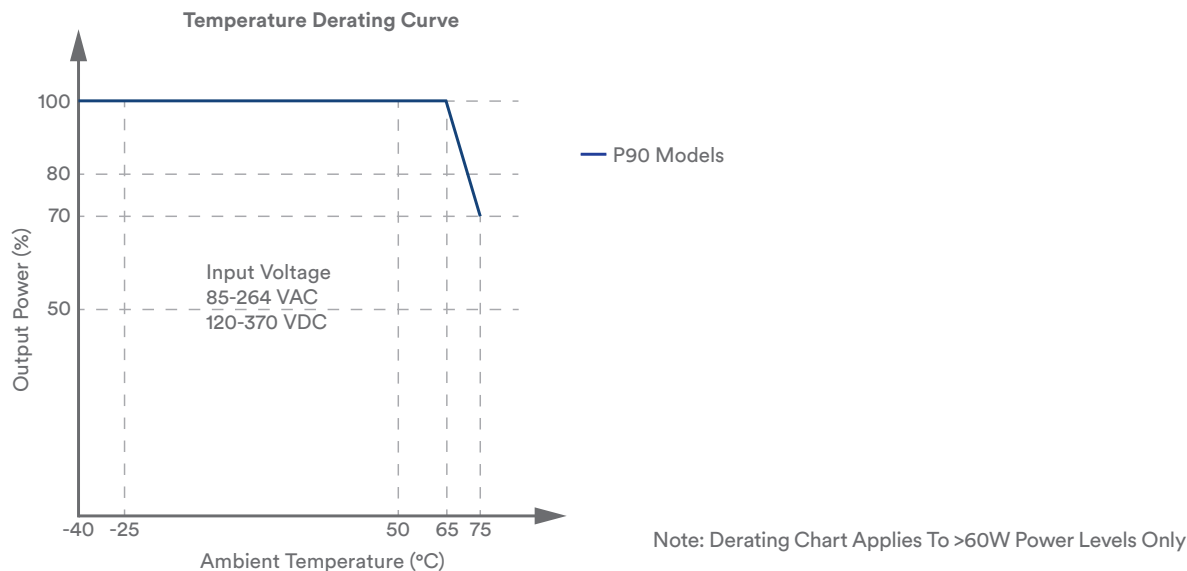|	
Safety	EN 62368-1 Class I
EMI	EN 55032 Class B
	CISPR 32
	FCC Part 15B Class B
EMS	EN 61000-4-2 (ESD)
	EN 61000-4-3 (RS)
	EN 61000-4-4 (EFT)
	EN 61000-4-5 (Surge)
	EN 61000-4-6 (CS)
	EN 61000-4-11 (Dips)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	Reach
	RoHS
	WEEE
Supply Chain	NDAA & TAA Compliant

Designed to meet NEMA TS2 & EN 50121-4

Part Numbers.

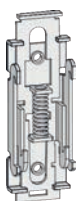**Single Channel Mini Mains Powered PoE Media Converters (1+1)**

SNI-1MC-PS	1 × 10/100/1000BaseT(x) RJ45 with 30/60/90W PoE, 1 × 100/1000BaseFx SFP, Mini, 90W PSU

De-Rating Charts.

Temperature Derating Curve

Output Power (%)

100
80
70
50

Input Voltage
85-264 VAC
120-370 VDC

— P90 Models

-40 -25   50 65 75

Ambient Temperature (°C)

Note: Derating Chart Applies To >60W Power Levels Only

Included Accessories.

DIN Rail Adapter   Rear/Side/Bottom Mounted Metal DIN Rail Clip & Screws For DIN Rail Mounting
Wall Mount Adapter   Rear/Side/Bottom Mounted Wall Mounting Plate & Screws For Wall / Surface Mounting
Mains Cable   Region Specific UK/EU/US IEC or Stripped End Line Cord

Optional Accessories.

SNI-MAG-04   4x Rear/Side/Bottom Mounted Magnets & Screws Kit For SNI-1MC-PS Series, need to be ordered separately
SFP Modules   100Mb & 1Gb Optical/Copper Modules see separate list, need to be ordered separately

Proud to be a British
Manufacturer