

Specifications

	SIL24POE1	SIL48POE1	SIL48G POE1
<i>No. of Ports</i>	1	1	1
<i>Data Rates</i>	10/100 Mbps	10/100 Mbps	10/100/1000 Mbps
<i>Power over Ethernet</i>	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Injects 24V DC through a CAT 5 cable, pin #4, 5, 7, 8	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Injects 48V DC through a CAT 5 cable, pin #4, 5, 7, 8	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Injects 48V DC through a CAT 5 cable, pin #4, 5, 7, 8
<i>Output</i>	Output Power Voltage: -48VDC 800mA User Port Power: 15.4W min. 70 percent minimum Efficiency	Output Power Voltage: -48VDC 500mA User Port Power: 15.4W min. 70 percent minimum Efficiency	Output Power Voltage: -48VDC 500mA User Port Power: 24W 80 percent minimum Efficiency
<i>Input Power Requirements</i>	AC Input Voltage: 90 to 264 Vac AC Input Current: 0.4A @ 110 Vac /0.2A @ 220 Vac AC Frequency: 47 to 63 Hz	AC Input Voltage: 90 to 264 Vac AC Input Current: 0.4A @ 110 Vac /0.2A @ 220 Vac AC Frequency: 47 to 63 Hz	AC Input Voltage: 90 to 264 Vac AC Input Current: 0.45A @ 110 Vac /0.25A @ 220 Vac AC Frequency: 47 to 63 Hz
<i>Protection</i>	Short circuit protection - Any output short GND terminal will lead to auto reset Overload protection - Load current over 550mA will lead to auto reset High voltage protection - Output DC voltage over 52V will lead to auto reset High Pot: 2000Vac, 60Sec, Input Terminal to output Terminal		
<i>Dimensions</i>	85 mm (L) x 76 mm (W) x 36 mm (H)		
<i>Environmental Conditions</i>	Operating Ambient Temperature: 0 to 60°C Operating Humidity: 5°C to Maximum 90°C, Non-condensing Storage Temperature: -40to 158°F (-40to 70°C) Storage Humidity: Maximum 93%, Non-condensing		Operating Ambient Temperature: 25 to 50°C Operating Humidity: 5°C to Maximum 90°C, Non-condensing Storage Temperature: -40to 158°F (-40to 70°C) Storage Humidity: Maximum 93%, Non-condensing
<i>Weight</i>	150 g		
<i>Indicators</i>	AC Powered (green)		
<i>Connectors</i>	2 Shielded RJ-45, EIA 568A and 568B		
<i>Certificate</i>	CE, FCC		

Connections

SIL48 POE1 + SIL24 POE1

Pin	<i>RJ-45 Input (Data Only)</i>		<i>RJ-45 Output (Data & Power)</i>	
	Symbol	Description	Symbol	Description
1	RX+	Data Receive	RX+	Data Receive
2	RX-	Data Receive	RX-	Data Receive
3	TX+	Data Transmit	TX+	Data Transmit
4	NC	Not Connected	+Vdc	Feeding power(+)
5	NC	Not Connected	+Vdc	Feeding power(+)
6	TX-	Data Transmit	TX-	Data Transmit
7	NC	Not Connected	-Vdc	Feeding power(-)
8	NC	Not Connector	-Vdc	Feeding power(-)

Note :

DC output gnd and Vin+/- should not be shorted to ground(FG).

SIL48G POE1

Pin	<i>RJ-45 Input (Data Only)</i>		<i>RJ-45 Output (Data & Power)</i>	
	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-

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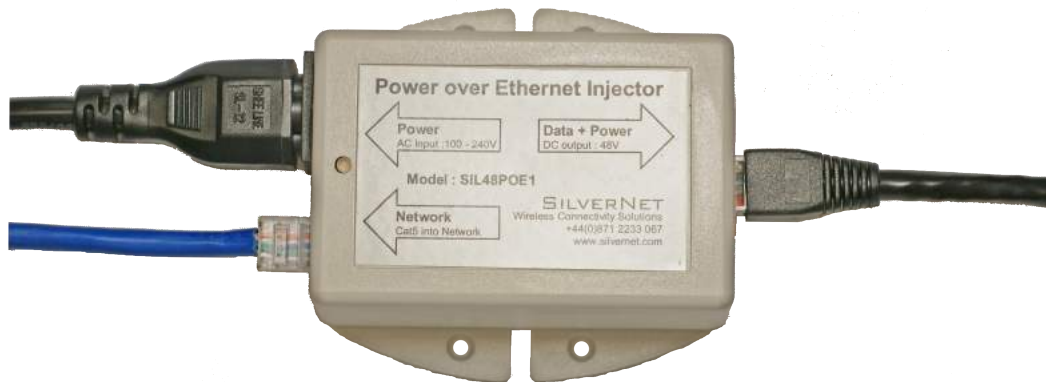
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SPECIFICATION of SURGE/LIGHTNING PROTECTION

	SIGNAL
OPERATING VOLTAGE	Data 5V
CLAMPING VOLTAGE	Data 16.5V (@I PP =5A, t p =8/20μs, I/O pin to GND)
PEAK PULSE CURRENT	20A (tp=8/20μs)
PIN PROTECTED	All 8 pin protected
MAX. SHUT CAPACITANCE	<3pF (VR = 0V, f = 1MHz, I/O pin to GND) < 1.5 pF (VR = 0V, f = 1MHz, Between I/O pins)
IEC COMPATIBILITY (EN61000-4)	IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC61000-4-4 (EFT) 40A (5/50ns) IEC61000-4-5 (Lightning) 20A (8/20μs)



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