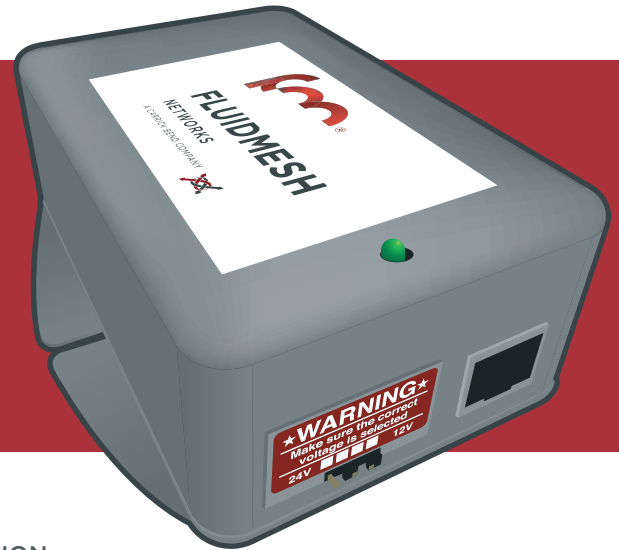
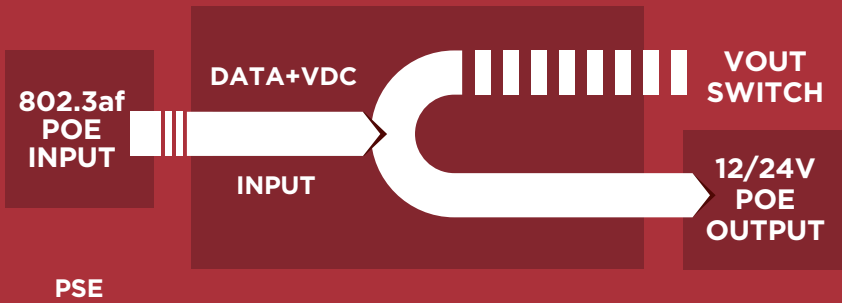


Fluidmesh 802.3af to 24Vdc Inline POE Converter



SPECIFICATIONS

INPUT

- Input Voltage: 36V to 60V DC; Normal: 48V DC
- Under Voltage Lockout: 30V DC

OUTPUT

- Output Voltage & Current:

OUTPUT	+12V	+24V
Max. load	1A	0.5A
Power	12W Max	12W Max
Min. Load	0A	0A
Load reg. %	5%	5%
Line reg. %	1%	1%
Ripple %	2%	2%
Noise %	5%	5%

TOTAL POWER: 12W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

EFFICIENCY

- 78% min @-48Vin DC

PROTECTION

- Short Circuit Protection
- Operation frequency: 100KHZ (min)
- Isolation Voltage: 1500V DC
- Isolation Resistance: 100M Ohms (min)
- Input Set class Resistance: 25K Ohms
- Max Capacitive Load 470UF (24V=100UF)

GENERAL DESCRIPTION

- Operation Temperature: -25 - +60 C°
- Storage Temperature: -40 - +85 C°
- Operation Humidity: 5% - 90% 45 C°
- Cooling: Free air cooling
- Dimensions: 85x55x36 mm

E M I Meet FCC Class B standard

Meet EN55022 Class B standard

802.3af compliant, Mode A or Mode B

input are all available

CHANNEL CONNECTORS & PINOUT

- Power-Hub RJ45 Socket (per channel) data & Power-Connected to DTE.

RJ-45 Input (Data & Power)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	RX+, Vin +/-	Data Receive/ Feeding power(+/-)	RX+	Data Receive
2	RX-, Vin +/-	Data Receive/ Feeding power(+/-)	RX-	Data Receive
3	TX+, Vin +/-	Data Transmit/ Feeding power(+/-)	TX+	Data Transmit
4	Vin +/-	Feeding power(+/-)	Vo+	power(+)
5	Vin +/-	Feeding power(+/-)	Vo+	power(+)
6	TX-, Vin +/-	Data Transmit/ Feeding power(+/-)	TX-	Data Transmit
7	Vin +/-	Feeding power(+/-)	Vo-	power(-)
8	Vin +/-	Feeding power(+/-)	Vo-	power(-)
9	Shield	Connector shielding	Shield	Connector shielding