



# MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu Township, Taipei County, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mstronictaiwan.com

WEB: <http://www.mse.com.tw>

## MIT-22-1224

### PoE Converter

#### SPECIFICATION

##### 1. INPUT :

- 1.1 Input Voltage: DC-36V to DC-60V NORMAL= -48V
- 1.2 Under Voltage Lockout: DC -30V

##### 2. OUTPUT :

- 2.1 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.

##### 3. EFFICIENCY : 78% min @-48Vin dc

##### 4. PROTECTION

###### 4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

Mode is current limits( $IO(lim) = i_o * 1.5 \text{ max}$ )

###### 4.2 Operation frequency is 100KHZ (min)

###### 4.3 Isolation Voltage : 1500Vdc

###### 4.4 Isolation Resistance :100M ohms (min)

###### 4.5 Input Set class Resistance : 25K ohms

###### 4.6 Maximum Capacitive Load : 470UF (24V = 100UF)



# MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu Township, Taipei County, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mstronictaiwan.com

WEB: <http://www.mse.com.tw>

## 5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -25 - +60 Degree
- 5.2 Storage Temperature: -40 - +85 Degree
- 5.3 Operation Humidity: 5% - 90% 45 Degree
- 5.4 Cooling: Free air cooling
- 5.5 SIZE : 85\*55\*36 (L\*W\*H)m/m

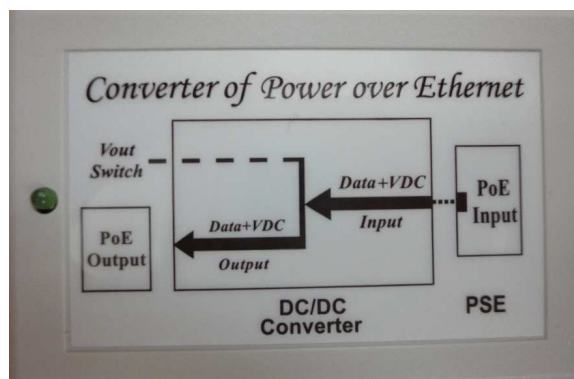
## 6. CHANNEL CONNECTORS & PINOUT :

6.1 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

- 7. E M I      Meet FCC Class B standard  
                  Meet EN55022 Class B standard

8. 802.3af compliant, Mode A or Mode B input are all available.





# MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu Township, Taipei County, Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mstronictaiwan.com

WEB: <http://www.mse.com.tw>

