

## Power over Ethernet

### PoE D/A Splitter

#### SPECIFICATION

1. INPUT :

- 1.1 Input Voltage: DC18V to DC36V NORMAL= 24V  
1.2 Input Current: 3.25A at 18Vdc @ FULL  
2.40A at 24Vdc @ FULL  
1.62A at 36Vdc @ FULL

2. OUTPUT :

2.1 Output Voltage & Current & Waveform :

OUTPUT	24Vac	OUTPUT	Waveform
Max. load	1.7A	Category	Square
Power	40W Max	Frequency	60hz±5hz
Min. Load(2)	0A		
Load reg. %	5%		
Line reg. %	1%		

TOTAL POWER : 40W

3. EFFICIENCY : 75% min @-48Vin dc

4. PROTECTION

4.1 Short Circuit Protection

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

Over Load Protection is flyback mode , auto-recovery.

4.2 Operation frequency Switch is 70KHZ

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

4.5 Input Set class Resistance : 25K ohms

4.6 Maximum Load : 150% over load

## 5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -15 - +60 Degree  
5.2 Storage Temperature: -40 - +70 Degree  
5.3 Operation Humidity: 5% - 90% 45 Degree  
5.4 Cooling: Free air cooling  
5.5 SIZE : 125\*75\*38 (L\*W\*H)m/m

## 6. CHANNEL CONNECTORS & PINOUT :

### 6.1 Power-Hub RJ45 Input Socket (per channel) data & Power-Connected to DTE

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

### 6.2 Power-Hub RJ45 Output Socket (per channel) data & Power-Connected to DTE

RJ-45 Output (only Data)		
Pin	Symbol	Description
1	RX+	Data Receive
2	RX-	Data Receive
3	TX+	Data Transmit
4	NC	NC
5	NC	NC
6	TX-	Data Transmit
7	NC	NC
8	NC	NC
9	Shield	Connector shielding

### 6.3 AC Power Plug Diameter(DTE) : 5.5mm \* 2.5(or 2.1)mm \* 12mm

Supply of polarity : Inside is (ACV) , Outside is (ACV)

Note :

1. AC output and Vin+/- should not be shorted to ground(FG).
2. Two Power-hub port should not be connected together in order to prevent ground loops.

- 7. E M I            Meet FCC Class B Radiation standard  
                         Meet EN55022 Class B Radiation standard
- 8. Operation Model  
    meet DC power input to all P1~P8.

