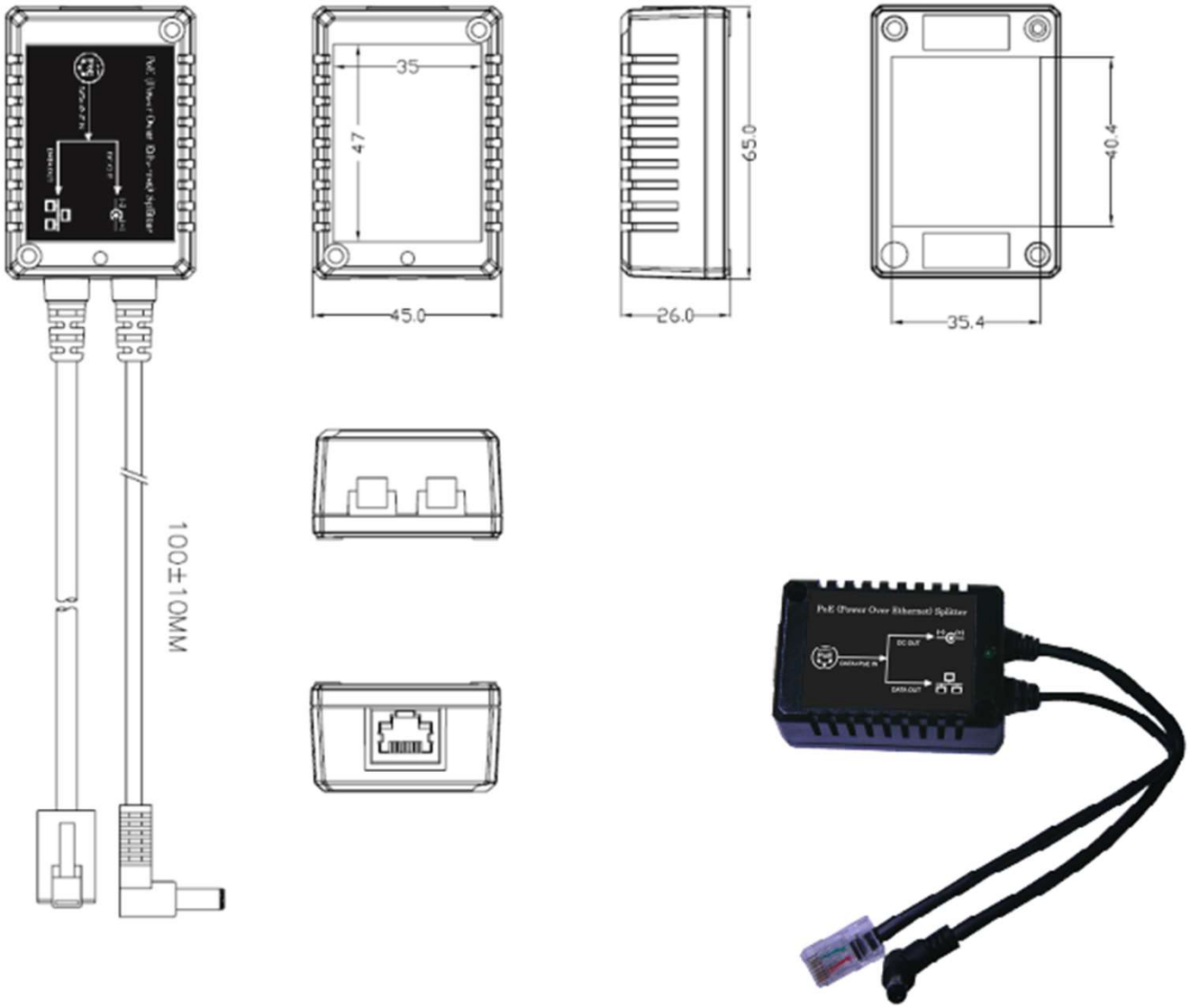
12VDC Gigabit PoE Splitter
SKU 290343

Ventev's Gigabit PoE Splitter is IEEE 802.3af compliant with a 12VDC input and two outputs: 1.0 A and non-power data. Small size, easy to use, includes short circuit protection and wide operating temperature range makes it the perfect choice for use in all applications.

For questions or to purchase product, contact Ventev:
800-851-4965 or sales@ventev.com

Mechanical Specifications:



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Electrical Specifications:

1. INPUT :

1.1 Input Voltage: DC -40V to DC-60V NORMAL= -48V

1.2 Under Voltage Lockout: DC -30V

2. OUTPUT :

2.1 Output Voltage & Current:

Model	MIT-11-1212
OUTPUT	+12V
Max. load	1A
Power	12W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	2%
Noise %	5%

'OTAL 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 : 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.

Mode is current limits (IO(lim) = io*1.5 max)

4.2 Operation frequency is 100KHZ

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)

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5. GENERAL DESCRIPTION

5.1 Operation Temperature: -25 - +50 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 : 65x45x26 (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)			RJ-45 Output (Data Only)	
Pin	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	Vin +/-	Feeding power(+/-)	NC	Not Connector
5	Vin+/-	Feeding power(+/-)	NC	Not Connector
6	TX-	Data Transmit	TX-	Data Transmit
7	Vin+/-	Feeding power(+/-)	NC	Not Connector
8	VIn+/-	Feeding power(+/-)	NC	Not Connector
9	Shield	Connector shielding	Shield	Connector shielding

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

RJ-45 Input (Data & Power)			RJ-45 Output (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	RX+(Vin +/-)	Data Receive	RX+	Data Receive
2	RX-(Vin +/-)	Data Receive	RX-	Data Receive
3	TX+(Vin +/-)	Data Transmit	TX+	Data Transmit
4	NC	Feeding power(+)	NC	Not Connector
5	NC	Feeding power(+)	NC	Not Connector
6	TX-(Vin +/-)	Data Transmit	TX-	Data Transmit
7	NC	Feeding power(-)	NC	Not Connector
8	NC	Feeding power(-)	NC	Not Connector
9	Shield	Connector shielding	Shield	Connector shielding

Note : the model is isolated design.

6.3 DC Power Plug : 5.5mm * 2.5mm * 12mm

polarity : Inside is (+) , Outside is (-)

7. E M I Meet FCC Class B standard

Meet EN55032 Class B standard