

PoE Splitter / Voltage Converter

Features

- Very Compact Size
- Converts an Active PoE Input to a DC output
- Various Output Voltages and USB Available
- Output Power Up To 15W
- Short Circuit, Over Current Protection



Description

The POE-MSPLT line of dynamic splitters are compact Power over Ethernet adapters which splits the Data and PoE power onto separate output connectors and converts the active PoE (IEEE802.3af/at) input into a regulated DC output voltage. The DC output is provided on a standard 5.5mm/2.1mm barrel connector and the Data output is provided on standard RJ45 network connector, each on a dedicated 6" cable. In addition to being compatible with 10/100MB Ethernet speeds, inputs and outputs are isolated and the devices include protections for short circuit and overload.

The unique POE-MSPLT-USB provides a USB output to power smartphones and tablets from PoE devices like network switches or PoE injectors.

Specifications

	POE-MSPLT-4805	POE-MSPLT-4809	POE-MSPLT-4812	POE-MSPLT-4824	POE-MSPLT-USB
Output Voltage	5VDC	9VDC	12VDC	24VDC	5VDC USB
Output Current	2.4A	1.34A	1A	0.5A	3A
Output Power	12W	12W	12W	12W	15W
DC Output Connector	5.5mm / 2.1mm Barrel Connector				USB Socket
Data Output Connector	RJ45				None
Output Cable Length	153mm (6")				
Load Reg & Noise	5%				
Line Reg & Ripple	1%				
PoE Input (RJ45)	IEEE 802.3af/at or Passive PoE (36 – 60VDC)				
Ethernet Speed	10/100MB				
Efficiency	75% Min				
EMC Standards	FCC Class B NE55022 Class B				
Isolation Voltage	1500VDC				
Isolation Resistance	100M Ohms Minimum				
Operating Temperature	-25 to +50°C (-13 to +122°F)				
Operating Humidity	5% - 90% non-condensing				
Storage Temperature	-40 to +80°C (-40 to +176°F)				
Dimensions (LxWxH)	65 x 45 x 26mm (2.6 x 1.8 x 1")				
Weight	62g (2.2oz)				

Device Pinouts – 10/100MB

RJ-45 Input (Data + Power)			RJ-45 Output (Data)	
<i>Pin</i>	<i>Symbol</i>	<i>Description</i>	<i>Symbol</i>	<i>Description</i>
1	RX+ / Vin+-	Data Receive(+) & Power	RX+	Data Receive(+)
2	RX- / Vin+-	Data Receive(-) & Power	RX-	Data Receive(-)
3	TX+ / Vin+-	Data Transmit(+) & Power	TX+	Data Transmit(+)
4	Vin+-	Power	NC	No Connection
5	Vin+-	Power	NC	No Connection
6	TX- / Vin+-	Data Transmit(-) & Power	TX-	Data Transmit(-)
7	Vin+-	Power	NC	No Connection
8	Vin+-	Power	NC	No Connection



POE-MSPLT-USB
PoE to USB Converter

Notes:

- Tycon Power Systems power sources carry a 1 year warranty

System Ordering:

POE-MSPLT-4805	PoE Splitter/Voltage Converter 802.3af/at PoE Input to 5VDC 12W output
POE-MSPLT-4809	PoE Splitter/Voltage Converter 802.3af/at PoE Input to 5VDC 12W output
POE-MSPLT-4812	PoE Splitter/Voltage Converter 802.3af/at PoE Input to 5VDC 12W output
POE-MSPLT-4824	PoE Splitter/Voltage Converter 802.3af/at PoE Input to 5VDC 12W output
POE-MSPLT-USB	PoE to USB Converter 802.3af/at PoE Input to USB 15W output

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