

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

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

**For further information contact:**

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