

USB to POE Power Injector

Features

- Remotely Power 24VDC Passive POE Equipment thru CAT5 Cable from USB power.
- A Must for Every Wireless Tech Tool Kit!
- Up to 6W Passive 24VDC POE Output Power
- Short Circuit, Over Current and Over Voltage Protection
- 10/100Mb Compatible



TP-DCDC-USB-24

Applications

- Troubleshooting Passive POE Wireless Systems
- Wireless Access Points and Client Devices
- IP Phone and Security Camera Systems

Description

The TP-DCDC-USB-24 Passive Power Over Ethernet Power Source offered by Tycon Power Systems is a unique 24VDC Passive POE injector powered by USB. They work by supplying power to the remote device on the 4 unused Ethernet pins 4,5(+) and 7,8(-). The Ethernet spec supports distances up to 100m (328 feet).

They have various protections for short circuit, overload and overvoltage. The TP-DCDC-USB-24 has an output power of up to 6W which is dependent on the capacity of the USB port that it is plugged into. USB2.0 ports are 0.5A and USB3.0 ports are 0.9A. Newer USB ports provide up to 1.5A.

This USB powered POE injector is a must for any technician's toolbox because it allows powering of Ubiquiti and Mikrotik as well as other 24VDC Passive POE products from a laptop's USB port. This allows the technician to quickly test the device by direct connection to his laptop, saving him a lot of time. The TP-DCDC-USB-24 can also be used in customer premise equipment to power external wireless gear from a customer's computer USB ports, reducing wiring clutter at the PC and allowing the wireless gear to be powered down when the computer is powered down to conserve energy.

Device Pinouts

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
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	NC	No Connection	+Vdc	DC power(+)
5	NC	No Connection	+Vdc	DC power(+)
6	TX-	Data Transmit(-)	TX-	Data Transmit(-)
7	NC	No Connection	-Vdc	DC power(-)
8	NC	No Connection	-Vdc	DC power(-)

General Specifications

TP-DCDC-USB-24	
USB Input	5VDC
POE Voltage	24VDC @ 0.25A
Output Power	6W maximum
Efficiency (min)	72%
Line / Load Regulation	1% / 5%
Ripple / Noise	1% / 5%
Cable Lengths	USB 4"(100mm) , CAT5 20"(500mm)
POE Compatibility	Passive POE Pins 4,5(+), 7,8(-)
Data Compatibility	10/100M
Protections	Over-Voltage, Short Circuit, Over-Current
Environmental Standards	RoHs
Operating Temperature	-30 to +50°C (-22 to +122°F)
Operating Humidity (RH)	5% - 90%
Storage Temperature	-40 to +80°C (-40 to +176°F)
Dimensions	85 x 76 x 36mm (3.4 x 3 x 1.4")
Weight	134g (4.7oz)

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems Power Sources carry a 1 year warranty



TP-DCDC-USB-24
USB Powered 24VDC Passive POE Converter/Inserter

System Ordering:

TP-DCDC-USB-24 24VDC 6W USB to Passive POE Power Source

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