

### POE 802.3at/af Gigabit Midspan Injector

#### Features

- IEEE 802.3at/af High Power Gigabit Midspan POE Injectors
- Up to 40W per Individual Port
- 1U Standard Rack Mount (19")
- Configuration and status thru front panel RJ45 port or thru network
- Supports non standard (Passive) devices
- Accepts AC or DC input
- Remotely Power Multiple Equipment thru CAT5 Cable up to 100m



#### Applications

- Wireless Access Points and Client Devices
- IP Phone and Security Camera Systems
- Power network devices from a central network room

#### Description

The **TP-MS616** rack mount 16 port mid span POE power sources are used for supplying POE and data to up to 16 devices multiple devices from a central location such as an operations room. The POE devices feature a separate data-in port coupled with a data out/POE port. The POE function is fully IEEE802.3at/af compliant and supports Gigabit Ethernet.

The included PC software allows for configuration of the individual ports and for displaying port status through the RJ45 management port or network. Ports can be enabled/disabled and configured for forced POE output (Passive POE) or IEEE802.3at/af detection. POE DC Voltage (55V) is supplied on 4 pairs. Maximum power output per rack mount unit is 576W. The individual outputs are overload and short circuit protected. The 1U rack mounting accommodates 19" racks with included brackets.

#### Device Pinouts

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data RX+	BI_DA+, Vo-	Data RX(+), DC power(-)
2	BI_DA-	Data RX-	BI_DA-, Vo-	Data RX(-), DC power(-)
3	BI_DB+	Data TX+	BI_DB+, Vo+	Data TX(+), DC power(+)
4	BI_DC+	Data RX+	BI_DC+, Vo+	Data RX(+), DC power(+)
5	BI_DC-	Data RX-	BI_DC-, Vo+	Data RX(-), DC power(+)
6	BI_DB-	Data TX-	BI_DB-, Vo+	Data TX(-), DC power(+)
7	BI_DD+	Data RX+	BI_DD+, Vo-	Data RX(+), DC power(-)
8	BI_DD-	Data RX-	BI_DD-, Vo-	Data RX(-), DC power(-)

## Specifications

TP-MS616	
<b>Ethernet Standard</b>	IEEE802.3/IEEE802.3u/IEEE802.3ab (10 base-T/100base-T/1000base-T)
<b>POE Standard</b>	IEEE802.3at/af or Passive POE
<b>Shielded RJ45 Ports</b>	16 data-in ; 16 data/POE out
<b>Console Port</b>	RJ45 Management Port. Can also be managed via network.
<b>Max Device Distance</b>	100m (328ft)
<b>Maximum POE Power</b>	40W per port, 700mA @ 55V
<b>POE Protection</b>	Over Temperature, Over Current, Over/Under Voltage
<b>LED's</b>	Power On (Green On) Power On Alarm (Red On) POE Power On (Green On) POE Detect Error (Red On) POE Unknown Device (Off) POE Detecting (Orange Blinking) POE Port Off (Orange On)
<b>AC Power Input</b>	100~240VAC, 50/60Hz
<b>DC Power Input</b>	-42VDC TO -57VDC
<b>Max Power Output</b>	576W
<b>Operating Temperature</b>	-20 to +65°C (-4 to 149°F)
<b>Operating Humidity (RH)</b>	Up to 95% (non condensing)
<b>Storage Temperature</b>	-20 to +80°C (-4 to +176°F)
<b>Dimensions (LxWxH)</b>	430 x 290 x 44mm (16.9 x 11.4 x 1.7") 1U rack mount 19"
<b>Weight</b>	4.9kg (10.8lb)

**Notes:**

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems POE Midspan Inserters carry a 2 year limited warranty



## System Ordering:

**TP-MS616** 16 Port POE Gigabit Mid Span 802.3at/af Injector with AC/DC input and US Power Cord\*

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\*Add an "E" suffix for Euro power cord

## For further information contact:

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