

### POE 802.3af Gigabit Midspan Injectors

#### Features

- IEEE 802.3af High Power Gigabit Midspan POE Injectors
- Up to 16.8W per Individual Port
- 1U Standard Rack Mount (19" and 23")
- Configuration and status thru front panel serial port
- Supports non standard 802.3af (Passive) devices
- Accepts AC or DC input (-DC Model)
- 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-MS3xx series of rack mount mid span POE power sources are used for supplying POE and data to 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 IEEE802.3af compliant and supports Gigabit Ethernet.

The included PC software allows for configuration of the individual ports and for displaying port status. Connecting to a PC is easy with the included RS232 cable. Ports can be configured for forced POE output (Passive POE) or IEEE802.3af detection. POE DC Voltage (48V) is supplied on pins 4,5 (V+) and 7,8 (V-). Maximum power output per rack mount unit is 400W. The individual outputs are overload and short circuit protected.

The TP-MS308 has 8 POE ports. The TP-MS316 has 16 POE ports. The TP-MS324 has 24 POE ports. The devices are field upgradeable to add additional ports as the network grows.

The 1U rack mounting accommodates 19" or 23" racks with included brackets.

#### Device Pinouts

RJ-45 Input Port (Data Only)			RJ-45 Output Port (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(-)

## Specifications

	TP-MS308	TP-MS316	TP-MS324
<b>Ethernet Standard</b>	IEEE802.3/IEEE802.3u/IEEE802.3ab (10 base-T/100base-T/1000base-T)		
<b>POE Standard</b>	IEEE802.3af		
<b>Shielded RJ45 Ports</b>	8 data-in ; 8 data/POE out	16 data-in ; 16 data/POE out	24 data-in ; 24 data/POE out
<b>Console Port</b>	DB9 Connector; RS232 console interface for device management		
<b>Max Device Distance</b>	100m (328ft)		
<b>Maximum POE Power</b>	16.8W per port, 350mA @ 48V		
<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 Detecting (Orange Blinking) POE Port Off (Orange On) POE Detect Error (Red On) POE Unknown Device (Off)		
<b>AC Power Input</b>	100~240VAC, 50/60Hz		
<b>Power Consumption</b>	134W	268W	403W
<b>Operating Temperature</b>	0 to +65°C (32 to 149°F)		
<b>Operating Humidity (RH)</b>	10% - 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" and 23"		
<b>Weight</b>	3.2kg (7lb)	3.9kg (8.6lb)	4.6kg (10lb)

## System Ordering:

<b>TP-MS308</b>	8 Port POE Gigabit Mid Span Injector with US Power Cord*
<b>TP-MS308DC</b>	8 Port POE Gigabit Mid Span Injector with DC INPUT*
<b>TP-MS316</b>	16 Port POE Gigabit Mid Span Injector with US Power Cord*
<b>TP-MS316DC</b>	16 Port POE Gigabit Mid Span Injector with DC INPUT*
<b>TP-MS324</b>	24 Port POE Gigabit Mid Span Injector with US Power Cord*
<b>TP-MS324DC</b>	24 Port POE Gigabit Mid Span Injector with DC INPUT*

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

## For further information contact:

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