TYCON Power®

PoE 802.3af Gigabit Midspan Injectors

Features

- **IEEE 802.3af Gigabit Midspan PoE Injectors**
- **Up to 16.8W per Individual Port**
- **1U Standard Rack Mount (19" and 23")**
- **Manageable thru front panel RJ45 port**
- **Supports Passive PoE 48VDC output**
- **Accepts AC or DC input**

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 through the RJ45 management port or network. Ports can be enabled/disabled and configured for forced PoE output (Passive PoE) or IEE802.3af 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 1U rack mounting accommodates 19" or 23" 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+	Data RX(+)
2	BI_DA-	Data RX-	BI_DA-	Data RX(-)
3	BI_DB+	Data TX+	BI_DB+	Data TX(+)
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-	Data TX(-)
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-MS308	TP-MS316	TP-MS324
Ethernet Standard	IEEE802.3/IEEE802.3u/IEEE802.3ab (10 base-T/100base-T/1000base-T)		
POE Standard	IEEE802.3af or 48VDC Passive POE		
Shielded RJ45 Ports	8 data-in ; 8 data/POE out	16 data-in ; 16 data/POE out	24 data-in ; 24 data/POE out
Console Port	RJ45 Management Port. Can also be managed via network.		
Max Device Distance	100m (328ft)		
Maximum POE Power	16.8W per port, 350mA @ 48V		
POE Protection	Over Temperature, Over Current, Over/Under Voltage		
LED's	*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)		
AC Power Input	*100~240VAC, 50/60Hz*		
Fuse Type	*IEC 60127-2 Type T, 5x20mm 250V 6.3A TimeLag*		
DC Power Input	*-42VDC TO -57VDC*		
Max Power Output	*134W*	*268W*	*403W*
Operating Temperature	*0 to +65°C (32 to 149°F)*		
Operating Humidity (RH)	10% - 95% (non condensing)		
MTBF (Mean Time Between Failure)	103,546 Hours		
Storage Temperature	-20 to +80°C (-4 to +176°F)		
Dimensions (LxWxH)	430 x 290 x 44mm (16.9 x 11.4 x 1.7") 1U rack mount 19" and 23"		
Weight	3.2kg (7lb)	3.9kg (8.6lb)	4.6kg (10lb)

Notes:
- All shipments F.O.B. Draper, UT 84020
- Tycon Power® POE Midspan Injectors carry a 3 year warranty

System Ordering:

TP-MS308 8 Port PoE Gigabit Mid Span Injector with AC/DC input and US Power Cord*

TP-MS316 16 Port PoE Gigabit Mid Span Injector with AC/DC input and US Power Cord*

TP-MS324 24 Port PoE Gigabit Mid Span Injector with AC/DC input and US Power Cord*

Add an "E" suffix for Euro power cord

For further information contact:

Tyconsystems.com

RoHS compliant

TYCON Power®
*14641 S 800 W Suite A
Bluffdale, UT 84065
PH: 801-432-0003
FAX: 801-618-4220*