



TP-MS616

DATA SHEET

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 2 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+	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-MS616	
Ethernet Standard	IEEE802.3/IEEE802.3u/IEEE802.3ab (10 base-T/100base-T/1000base-T)
PoE Standard	IEEE802.3at/af or Passive PoE
Shielded RJ45 Ports	16 data-in ; 16 data/PoE out
Console Port	RJ45 Management Port. Can also be managed via network.
Max Device Distance	100m (328ft)
Maximum PoE Power	35W per port, 625mA @ 56V
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 Detect Error (Red On) PoE Unknown Device (Off) PoE Detecting (Orange Blinking) PoE Port Off (Orange On)
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	576W
Operating Temperature	-20 to +65°C (-4 to 149°F)
Operating Humidity (RH)	Up to 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"
Weight	4.9kg (10.8lb)
Warranty	3 Years

System Ordering:

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

*Add an "E" suffix for Euro power cord



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