

4 port PoE Gigabit Midspan UniVolt Injector

Features

- Very High Power, Gigabit 4 Port Midspan POE Injector
- Up to 1.8A per Individual Port
- Universal POE Voltage 20VDC to 60VDC.
- Powers Passive PoE Devices using 4 pair power
- DIN Rail Mountable – Includes DIN Rail adapters.



Applications

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

Description

The **TP-MS4G-VHP** mid span PoE power sources are used for supplying PoE and data to multiple devices from a central location such as an operations room or equipment cabinet. The PoE devices feature a separate data-in port coupled with a data out/PoE port. The PoE function is considered 4 Pair Passive PoE which is sometimes referred to as “High PoE”. The units support Gigabit Ethernet and are backward compatible to 10/100MB.

The Midspan features Universal Voltage (UniVolt™) PoE outputs where the PoE voltage equals the input voltage. All ports will have the same PoE voltage.

PoE DC Voltage (20V-60V) is supplied on pins 1,2 (V-), 3,6 (V+) and 4,5 (V+) and 7,8 (V-). The unit can accept + or – voltage on input however the design is a non-isolated design. Maximum power output per port is 1.8A. The individual outputs are overcurrent, over/under voltage and short circuit protected.

The midspan is DIN Rail mountable with the included DIN Rail brackets.

Device Pinouts

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	BI_DA+, VDC-	Data Pair A+, DC power -
2	BI_DA-	Data Pair A-	BI_DA-, VDC-	Data Pair A-, DC power -
3	BI_DB+	Data Pair B+	BI_DB+, VDC+	Data Pair B+, DC power +
4	BI_DC+	Data Pair C+	BI_DC+, VDC+	Data Pair C+, DC power+
5	BI_DC-	Data Pair C-	BI_DC-, VDC+	Data Pair C-, DC power+
6	BI_DB-	Data Pair B-	BI_DB-, VDC+	Data Pair B-, DC power+
7	BI_DD+	Data Pair D+	BI_DD+, VDC-	Data Pair D+, DC power-
8	BI_DD-	Data Pair D-	BI_DD-, VDC-	Data Pair D-, DC power-

Specifications

TP-MS4G-VHP	
Ethernet Standard	IEEE802.3/IEEE802.3u/IEEE802.3ab (10 base-T/100base-T/1000base-T)
POE Standard	Passive PoE, 4 Pair Power, High PoE
PoE Pinout	1,2 (V-) 3,6 (V+) and 4,5 (V+) 7,8 (V-)
Shielded RJ45 Ports	4 data-in ; 4 data/PoE out, Port shield is connected to FG (frame ground)
Max Device Distance	100m (328ft)
Maximum PoE Power	Up to 1.8A Per Port
POE Protection	Over Current, Over/Under Voltage, Short Circuit
LED's	Green - A valid power device is detected on this port. Active current is >100mA. Red - No power device is detected on this port. Off - No input power, or input source in alarm condition. Alarm: voltage is more than 65VDC, or less than 15VDC. Alarm: current is >2A.
DC Power Input	20VDC to 60VDC, Unit can accept + or - VDC on input, non-isolated design, Fused at 10A
Self Consumption	<1W
Operating Temperature	-30C to +60C (-40F to 140F)
Operating Humidity (RH)	Up to 90% , Non Condensing
Storage Temperature	-40C to +85C (-40F to 185F)
Dimensions (LxWxH)	90mm x 118mm x 40mm (3.5" x 4.6" x 1.5")
Weight	0.45kg (1lb)
Warranty	2 Years



Rear Panel View

DIN Rail Adapters
(Included)

System Ordering:

TP-MS4G-VHP 4 Port Very High Power Gigabit PoE Mid Span Injector, 20-60VDC 4 Pair Passive PoE

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