

POE Midspan Injectors

Features

- High Power Passive Midspan PoE Injectors
- Up to 24W per Individual Port
- 18V and 24V models available
- Available with AC and regulated DC inputs
- 1U Standard Rack Mount (19" and 23")
- Supports non standard 802.3af devices
- Remotely Power Multiple Equipment thru CAT5 Cable up to 100m
- Built in Ethernet surge suppression



Applications

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

Description

The **TP-NCMS** series of rack mount mid span PoE power sources are used for supplying PoE and data to up to 12 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 which employs built in Ethernet surge suppression. The PoE function is not IEEE802.3af compliant, useful for powering those devices that require a POE voltage other than 48V. The TP-NCMS412-24 has AC and DC inputs. The DC input is regulated so if running off a battery system the 24V PoE to the client devices won't exceed 24.5V. When running from DC input voltage the TP-NCMS412-24 can operate down to 12VDC and POE output voltage will equal the DC input voltage – 2V.

PoE DC Voltage is supplied on pins 4,5 (V+) and 7,8 (V-). The individual outputs are overload, short circuit and surge protected.

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)	
<i>Pin</i>	<i>Symbol</i>	<i>Description</i>	<i>Symbol</i>	<i>Description</i>
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(-)

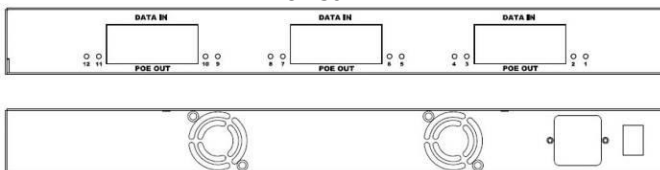
Specifications

	TP-NCMS312	TP-NCMS412
Ethernet Standard	IEEE802.3/IEEE802.3u (10/100Mbps)	IEEE802.3/IEEE802.3u (10/100/1000Mbps)
POE Standard	Passive/Non Compliant - POE Voltage supplied on pins 4,5(+), 7,8(-)	
Shielded RJ45 Ports	12 data-in ; 12 data/POE out	
Max Device Distance	100m (328ft)	
Max Current per Port	0.8A @ 24VDC ; 1A @ 18VDC	1.0A @24VDC
POE Protection	Over Temperature, Over Current, Over/Under Voltage	
LED's	Power On and POE ready (RED) POE Outputting power (GREEN) Power Off (LED OFF)	
AC Power Input	90~264VAC, 50/60Hz	
AC Input Current	4A @ 115VAC / <2A @ 230VAC	
DC Input Voltage	n/a	24.5 to 28V* @ 12A max <small>*Note: DC input can be as low as 12V but POE voltage will be 2V less than input voltage.</small>
Max Power Consumption	230W	300W
Operating Temperature	0 to +40°C (32 to 104°F)	-20 to +70C (-4 to +158°F)
Operating Humidity (RH)	10% - 90% (non condensing)	Up to 90% (non condensing)
Storage Temperature	-20 to +80°C (-4 to +176°F)	-25 to +85°C (-13 to +185°F)
Storage Humidity	Up to 93% (non-condensing)	
Dimensions (LxWxH)	431 x 190 x 44mm (17 x 7.5 x 1.7") 1U rack mount 19" and 23"	
Weight	2.7kg (6lb)	

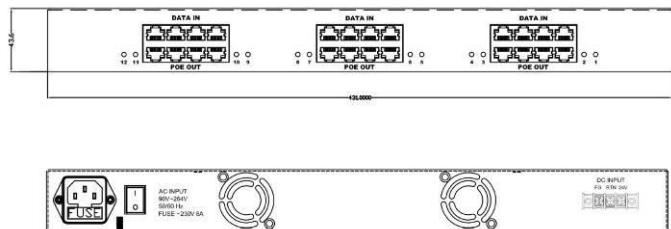
Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- TP-NCMS Midspan PoE carry a 3 year warranty

TP-NCMS312



TP-NCMS412



System Ordering:

TP-NCMS312-18

12 Port 18V PoE Mid Span Injector AC Input only with US Power Cord*

TP-NCMS312-24

12 Port 24V PoE Mid Span Injector AC Input only with US Power Cord*

TP-NCMS412-24

12 Port 24V PoE Mid Span Injector, DC and AC input with US Power Cord*

*Add an "E" suffix for Euro power cord

For further information contact:

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