



- 12-48VDC Power Input
- 2 x Gigabit Ethernet Input Port
- 2 x Gigabit Ethernet PoE+ Output Port
- Supports IEEE802.3af/at PoE Standards
- IP40 Aluminium Enclosure
- DIN Rail and Wall Mount Installation Methods Supported
- -40°C to +80°C Operating Temperature Range

Overview:

The PDT-PIN-7002-MP-I is a hardened Dual Channel Gigabit Ethernet PoE Injector which facilitates connectivity for IEEE 802.3 af/at devices, such as cameras, access points, and other PoE devices, up to a range of 100m from the PoE Injector. The input and output ports both support 10/100/1000 BASE-T and are compliant with IEEE 802.3ab. This device incorporates a voltage booster circuit which allows for full support of IEEE 802.3 af/at (PoE/PoE+) at +48VDC even with a +12VDC Power Supply, making it suitable for battery and solar applications. It is housed in a ruggedized aluminium casing, and has wide operating temperature range, making it suitable for the harshest of networking environments.

Applications



Switch



Data

Data

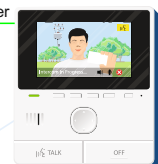


Data & Power



IP Camera

Data & Power



Access Control

+12~48VDC

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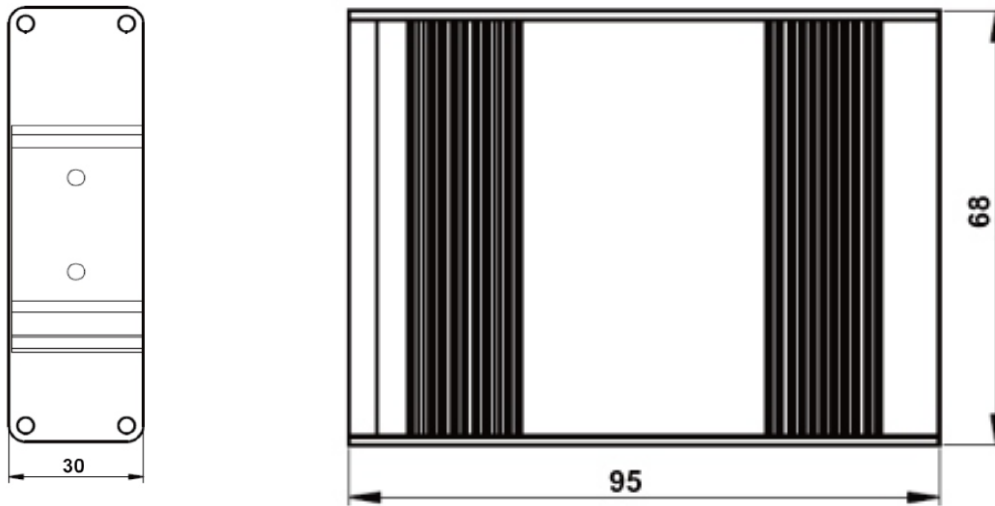
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Specifications

ETHERNET	Standards	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3az Efficient Energy Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus	ELECTRICAL	Operating Voltage	+12-48VDC
	Forwarding and Filtering Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)		Power Consumption	5W (65W with Max PoE)
	Packet Buffer	1Mbits		Reverse Polarity	Protected
	Packet Length	10KB	MECHANICAL	Dimensions	95mm x 70mm x 29mm
	MAC Address Table	8K		Weight	0.25kg
	Switch Fabric	10Gbps/ non-blocking	Casing	Aluminium	
	Exchange Property	Backplane Bandwidth: 20Gbps Packet Forwarding Rate: 14.88Mbps	Mounting	DIN Rail & Wall Mount	
			INDICATORS	PWR PoE	Power Status PoE Status
INTERFACE	Data	2 x RJ45 Data Input	CERTIFICATION	Electrical Safety	EN 62368-1:2020+A11:2020
	Power	2 x RJ45 Power & Data Output (PoE+) DC In - 2 Pin Terminal Block		Emissions	EN 55032:2015+A1:2020
				Radiated Immunity	EN 55035:2017+A11:2020
				Harmonic Emissions	EN 61000-3-2:2014
PoE	Standard	IEEE 802.3af / 802.3at		Fluctuations and Flicker	EN 61000-3-3:2013
	Port	RJ45		Electro-Static Discharge	EN 61000-4-2:2009
	Power Budget	Up to 60W total Max 60W on one Channel		Electromagnetic Field Immunity	EN 61000-4-3:2010
				Electrical Fast Transients	EN 61000-4-4:2012
				Surge	EN 61000-4-5:2014+A1:2017
				Conducted Immunity	EN 61000-4-6:2014
ENVIRONMENTAL	Operating Temp	-40°C to +80°C		Power Frequency Magnetic Field	EN 61000-4-8:2010
	Storage Temp	-40°C to +85°C		RoHS	IEC 63000:2018
	Relative Humidity	5% - 95% - non-condensing			
	MTBF	>200,000 hours			

Dimensions



All Dimensions in mm

Ordering Information

Model	Description	Part No
PDT-PIN-700 2-MP-I	2 Port 10/100/1000 BASE -T 60W Industrial PoE Injector 12 -48VDC	0015-000 02

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