

1-Port Gigabit PoE+ Injector, 10M/100M/1G Ethernet, PoE/PoE+ (802.3af/802.3at), 30W Power Budget, Wall Mountable, Unmanaged Inline Power Over Ethernet

Product ID: AF211C-POE-INJECTOR



This 1-port multi-speed PoE+ Injector serves as a Power Sourcing Equipment (PSE) device and enables Ethernet speeds of 10Mbps, 100Mbps, and 1Gbps. This TAA-compliant mid-span inline injector can transmit network data and power up to 328ft (100m) for remote Powered Devices (PD).

Single port PoE injector supports the IEEE 802.3af and 802.3at PSE standards, and delivers up to 30W output (54V DC, 0.6A). This enables seamless data and power transmission over Cat5/5e/6/6a to remote Powered Devices (PD) such as IP cameras, access control devices, remote kiosks (POSs), wireless access points (APs), PoE lighting, and digital signage. A built-in LAN Transformer reduces EMI to maintain strong, reliable signal strength across different environments.

All Ethernet cables can be routed from one side of the unit for efficient and organized cable management. The compact design (4x2.3x1.3-inch-100x58.4x33.4 mm) ensures straightforward integration into existing network infrastructure, saving space and time during installation.

Certifications, Reports and Compatibility



Applications

Features

- **GIGABIT POE INJECTOR:** Single port PoE+ injector supports up to 1Gbps with auto-negotiation; TAA-compliant Power Sourcing Equipment (PSE) supports up to 30W PoE/PoE+; Features level-4 ESD protection for reliable performance and durability
- **MULTIPLE SPEEDS:** Auto-negotiation between 1Gbps & 10/100Mbps Ethernet; Deliver data & power to Powered Devices (PDs) up to 328ft (100m) w/Cat5/5e/6/6a cabling; Unmanaged inline injector w/built-in LAN transformer for electrical isolation reducing EMI
- **HASSLE-FREE INSTALLATION:** Wall-mountable design with front mounting holes; Streamline deployment without additional software/settings; Connect the PoE injector to the network (e.g., switch or router) & the remote PD via standard Cat5/e or Cat6/6a cabling
- **APPLICATIONS:** Enable data & power over a single RJ45 connection to critical PoE devices such as IP cameras & Access Points (APs); Ideal for remote device installations with limited power sources; Wall-mountable design for convenient installation & access
- **TECH SPECS:** x2 RJ45 ports (data/data+power); 54VDC 0.6A output; 30W max output; Compliant with IEEE 802.3af and IEEE 802.3at; 10/100Mbps & 1Gbps with auto negotiation; WoL/PXE/8K jumbo frames; Wall mountable; Dimensions 4x2.3x1.3-inch (100x58.4x33.4mm)

Hardware

Warranty	2 Years
Ports	1
Industry Standards	IEEE 802.3at Type 2 / PoE+ (30 W) IEEE 802.3af Type 1 / PoE (15.4 W) IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-TX) IEEE 802.3i (10BASE-T) IEC 61000-4-2 Level-4 ESD protection (8kV contact/15kV air)
Chipset ID	Monolithic Power Systems - MP3924

Performance

Maximum Data Transfer Rate	1000 Mbps
Maximum Cable Length	328.0 ft [100 m]
ESD Protection	+/-8kV (Contact) +/-15kV (Air)
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
PXE	No

	Jumbo Frame Support	9K max.
	Supported Protocols	Wake-on-LAN (WoL)
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Connector(s)	Connector A	1 - RJ-45 (PoE+)
	Connector B	1 - RJ-45
	External Ports	1 - M Barrel Power Connector
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Software	OS Compatibility	No drivers or software required
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Special Notes / Requirements	Note	It is recommended to attach a grounding wire between the PoE Injector and Earth Ground for safety and stability.
		Force mode operates as a non-negotiating 4-pair 60W PoE PSE. Prior to selecting this mode, ensure that the PD supports a 60W power input to avoid potential equipment damage.
		802.3bt and the 'PoH + Legacy' switch position both pass power classes 0-8. 'Force' switch position passes power class 0-3.
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Indicators	LED Indicators	1 - Power LED. , Steady Green - Power is being supplied to the PoE Injector , Off - No power is being supplied to the PoE Injector
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Power	Power Source	AC Adapter Included
	Input Voltage	100 - 240 AC
	Input Current	2.5 A
	Output Voltage	54 DC
	Output Current	3.3 A
	Center Tip Polarity	Positive
	Plug Type	M
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Environmental	Operating Temperature	32F to 122F (0C to 50C)

Storage Temperature	14F to 158F (-10C to 70C)
Humidity	5~95% RH (Non-Condensing)

Physical Characteristics

Color	Black
Material	Steel
Product Length	3.9 in [10.0 cm]
Product Width	2.3 in [5.8 cm]
Product Height	1.3 in [3.3 cm]
Weight of Product	3.5 oz [100.0 g]

Packaging Information

Package Quantity	1
Package Length	4.9 in [12.4 cm]
Package Width	8.3 in [21.0 cm]
Package Height	2.0 in [5.0 cm]
Shipping (Package) Weight	15.0 oz [424.5 g]

What's in the Box

Included in Package	1 - PoE Injector
	1 - 6ft (1.8m) NA Power Cord
	1 - Quick-Start Guide

****Product appearance and specifications are subject to change without notice.***