1-Port 10Gbps PoE++ Injector, 60W, 2.5/5/10G Ethernet/10/100/1000M, PoE++ (802.3af/at/bt), Wall Mountable, Unmanaged Inline Power Over Ethernet

Product ID: AF31XC-POE-INJECTOR

This 1-Port multi-speed PoE++ Injector serves as a Power Sourcing Equipment (PSE) device and enables Ethernet speeds of 10/100 Mbps/1000Mbps and 1/2.5/5/10Gbps. This TAA-compliant mid-span inline injector can transmit network data and power up to 328ft (100m) for single Powered Devices (PD).

Single port PoE+ injector supports the IEEE 802.3af and 802.3at PSE standards, and delivers up to 60W output (54V, 1.11A). Connect a remote PoE device to a network at a location where there is no power source, but an Ethernet cable already exists. This includes access points, IP cameras, VoIP phone systems, IPTV and access controls. The flexible design of the PoE injector allows for either desktop or surface-mount use.

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 / 100x58.4x33.4mm) ensures straightforward integration into existing network infrastructure, saving space and time during installation.

Certifications, Reports and Compatibility

Applications

Features

• 10G POE++ INJECTOR: Single-port TAA-compliant PoE midspan injector supports up to 10Gbps and 60W of power (PoE/PoE+/PoE++); Features OVP, OCP, and SCP protection for enhanced reliability and durability, and a fan-less design to ensure silent operation

• ENTERPRISE NETWORK SUPPORT: Delivers data/power to a single powered device up to 328ft (100m) away, w/auto-negotiation between 10/100/1000Mbps/2.5G/5G/10G; PSE delivers up to 60W of power at 10Gbps data rates over 262ft (80m), reducing to 5Gbps at longer transmission lengths

• HASSLE-FREE INSTALLATION: Internal power supply and integrated wall-mounting ears with front-facing screw holes offer convenient, versatile installation, especially in hard-to-reach areas; Cables can be routed from one side for better cable management

• APPLICATIONS: Provides more power and bandwidth over a single RJ45 connection to demanding PoE devices such as high resolution IP cameras and enterprise grade Wi-Fi 6/6E or 7 access points (APs); Ideal for remote IP devices without available power outlets

• TECH SPECS: RJ45 Shielded Socket (data/data+power); 60W max output; 54V 1.7A output; Compliant with IEEE 802.3af/at & IEEE 802.3bt; 10/100/1000 Mbps & 1/2.5/5Gbps; Dimensions 4x2.3x1.3-inch (100x58.4x33.4mm)

Hardware

	Warranty	2 Years
	Ports	1
	Industry Standards	IEEE 802.3af Type 1 / PoE (15.4 W)
		IEEE 802.3at Type 2 / PoE+ (30 W)
		IEEE 802.3bt Type 3 / PoE++ (60 W)
		IEEE 802.3an (10GBASE-T)
		IEEE 802.3bz (5GBASE-T)
		IEEE 802.3bz (2.5GBASE-T)
		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	SkyWorks - Si3471A-A01

Performance

	Wake On Lan	Yes

Maximum Data Transfer Rate	10Gbps
Maximum Cable Length	328.0 ft [100 m]
Compatible Networks	10G/5G/2.5G/1G/100Mbps/10Mbps
Auto MDIX	Yes
PXE	Yes
Jumbo Frame Support	9K max.
Supported Protocols	Wake-on-LAN (WoL)

Connector(s)

Connector A	1 - RJ-45 (PoE++)
Connector B	1 - RJ-45

Software

OS Compatibility	No drivers or software required

Indicators

LED Indicators	1 - LED Indicator
	Solid Green: PoE Injector is receiving power
	1 - PoE Indicator
	Solid Green: Indicates PoE has been negotiated and power is being supplied to the Powered Device

Power

Input Voltage	100 - 240 AC
Input Current	1.5 A
Output Voltage	54 DC
Output Current	1.11 A

Environmental

Operating Temperature	32F to 104F (0C to 40C)
Storage Temperature	-22F to 176F (-30C to 80C)
Humidity	5~90% RH (Non-Condensing)

**Physical
Characteristics**

Color	Black
Material	Plastic
Product Length	4.8 in [12.2 cm]
Product Width	2.3 in [5.8 cm]
Product Height	1.3 in [3.4 cm]
Weight of Product	7.0 oz [198.0 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	1.1 lb [0.5 kg]

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.