4-Port Multi-Gigabit PoE++ Injector, 5/2.5/1G Ethernet (NBASE-T), PoE/PoE+/PoE++ (802.3af/802.3at/802.3bt), 160Watts Power Budget, Wall/DIN Rail Mountable, Unmanaged

Product ID: AS445C-POE-INJECTOR



This 4-Port Multi-Gigabit PoE++ Injector Hub serves as Power Sourcing Equipment (PSE) and enables multigigabit speeds of 5Gbps, 2.5Gbps, 1Gbps, 100Mbps, and 10Mbps across four Ethernet ports. This mid/end-span injector is capable of transmitting network data and power up to 328ft (100m) for remote installations. The PoE, PoE+, PoE++ compatibility and selectable power output ensure seamless compatibility with Powered Devices (PD). The TAA-compliant injector includes a Universal Power Adapter for different regions (NA/JP, EU, UK, and ANZ).

Multiport PoE Injector supports the IEEE 802.3af, 802.3at, and 802.3bt (Type 3 and Type 4) standards for Power Sourcing Equipment (PSE), delivering up to 52V DC and 95Watts. This flexibility eliminates the need for a separate power source for remote networked devices such as IP cameras, access control devices, remote kiosks (POSs), wireless access points, PoE lighting, and digital signage.

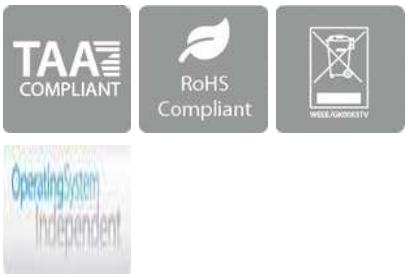
Experience streamlined cable management with all network cables routed from one side of the unit for a clean and organized setup.

Tailor the power output to the specific needs of the device using the Power Output Switch. The options include 90W, 95W PoH, or legacy 60W (for UPoE/UPoE+) for all the ports on the PoE Injector Adapter.

The Level-4 ESD protection (15kV air and 8kV contact) enhances device safety and reduces EMI for stable operation, minimizing the risk of downtime and hardware failures.

The unmanaged PoE Injector with NBASE-T technology provides access to an increased bandwidth up to 5Gbps, significantly reducing network slowdowns during data-intensive applications such as streaming high-definition video feeds, high-speed Internet, access local network resources, online or local network backups, and FTP access.

Certifications, Reports and Compatibility



Applications

Features

• 4-PORT MULTI-GIGABIT POE INJECTOR: Multiport PoE++ injector supports up to 5Gbps (NBASE-T) w/auto-negotiation; TAA-compliant Power Sourcing Equipment (PSE) delivers power & data over Ethernet cable; Supports PoE/PoE+/PoE++ 95W max; Level-4 ESD protection

• SELECTABLE POWER OUTPUT: DIP switch allows user to select the power output between auto-negotiation up to 90W, 95W PoH+, or forced legacy 60W (UPoE); 802.3af/802.3at/802.3bt power modes available on all ports; Total power budget of 160 Watts

• MULTI-GIGABIT: Supports 5/2.5/1Gbps & 100/10Mbps; 5GBASE-T/2.5GBASE-T compatible; Provide data & power to Powered Devices (PDs) up to 328ft (100m) w/Cat 5e/6/6a cabling; Supports WoL/PXE/9K Jumbo frames; Unmanaged PoE injector streamlines setup & deployment

• RUGGED ENCLOSURE: Durable full-metal housing ensures durability; Mount the PoE injector to a wall or a DIN rail with the included bracket; LAN transformers isolate the input/output data, and a power circuit prevents interference between ports

• STATUS LEDS: Top-facing color-coded diagnostic LEDs indicate the current PoE mode per Ethernet port and current PoE power budget of the injector for quick at-a-glance status of the system

Hardware		
	Warranty	2 Years
	Ports	4
	Industry Standards	Power over HDBaseT / PoH (95 W) , IEEE 802.3bt Type 4 / 4PPoE / PoE++ (90 W) IEEE 802.3at Type 2 / PoE+ (30 W) IEEE 802.3af Type 1 / PoE (15.4 W) IEEE 802.3bz (5GBASE-T and 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	Microsemi - PD69208T4 , Microsemi - PD69200R
Performance		
	Maximum Data Transfer	5000 Mbps

	Rate	
	Maximum Cable Length	328.0 ft [100 m]
	ESD Protection	+/-8kV (Contact)
		+/-15kV (Air)
	Compatible Networks	5G/2.5G/1G/100Mbps/10Mbps
	Auto MDIX	Yes
	PXE	No
	Jumbo Frame Support	9K max.
	Supported Protocols	Wake-on-LAN (WoL)
Connector(s)		
	Connector A	4 - RJ-45 (PoE++)
	Connector B	4 - RJ-45
	External Ports	1 - M Barrel Power Connector
Software		
	OS Compatibility	No drivers or software required
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.
Indicators		
	LED Indicators	3 - PoE Usage LEDs: , Steady Amber - The system is consuming over the indicated PoE power budget , Blinking Amber. Indicates that the system is consuming under the indicated PoE power budget , 3 - PoE-in-Use LEDs: , Steady Green - The port is providing 802.3bt/PoH/Force power to the remote powered device , Steady Amber - The port is providing 802.3af/at PoE/PoE+ power to the remote powered device , Off - No power is being provided to the remote device ,

		1 - Power LED. , Steady Green - Power is being supplied to the PoE Injector , Off - No power is being supplied to the PoE Injector
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
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	3.7 in [9.4 cm]
	Product Width	2.8 in [7.0 cm]
	Product Height	1.5 in [3.9 cm]
	Weight of Product	9.8 oz [278.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	11.8 in [30.0 cm]
	Package Width	6.7 in [17.0 cm]

	Package Height	3.5 in [9.0 cm]
	Shipping (Package) Weight	3.7 lb [1.7 kg]

What's in the Box

	Included in Package	1 - 4-Port PoE Injector
		1 - Universal Power Adapter
		1 - DIN Rail Mounting Kit
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.