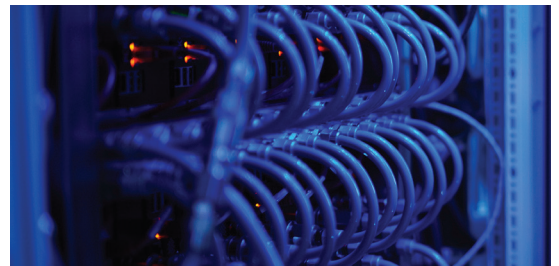


# IA-POE-90-U00 & IA-POE-90-U00-EU IEEE 802.3bt Gigabit 90W PoE Injector

Data Sheet



## Key Features

- Supports 10/100/1000Base-T (X) for PoE out and Data in
- IEEE 802.3af/at/bt compliant
- Power input 55-57 VDC, injects power up to 90W
- Provides slim size and DIN-rail with IP40 metal mechanism
- Supports operating temperatures from -40 to 75°C (-40 to 167°F)

## High-Quality and Powerful

The IA-POE-90-U00 & IA-POE-90-U00-EU is a next-generation injector which is compliant with IEEE 802.3af/at/bt. With PoE (Power over Ethernet) technology, both data and power to Ethernet-enabled devices run on a standard CAT5 cable. Based on the IEEE 802.3af/at/bt PoE standard, it provides the capability to serve up to 90W on a single port using four pairs of Cat. 5e/ Cat.6 Ethernet cabling.

The IA-POE-90-U00 & IA-POE-90-U00-EU injector flexibly deploys standard and high powered PD devices to transfer data and power simultaneously through one Ethernet cable while reaching distances of up to 100 meters. It supports dual power inputs via a pluggable terminal block or DC jack. DIN-rail and wall-mounting options provide greater ease of installation.

## Specifications

Communications	IA-POE-90-U00	IA-POE-90-U00-EU
Ethernet	10/100/1000Base-T (X)	
Protocol	IEEE 802.3, 802.3u, 802.3x, 802.3af/at/bt, 802.3ab	
Transmission Distance	Ethernet: Up to 100 m	
Transmission Speed	Up to 1000 Mbps	
Interface		
Connectors	DATA IN: RJ45, PoE OUT: RJ45	
LED Indicators	PoE, SYS	
Environmental		
Operating Temperature / Humidity	-40 to 75°C (-40 to 167°F) / 10 to 95% (non-condensing)	
Storage Temperature / Humidity	-40 to 85°C (-40 to 185°F) / 10 to 95% (non-condensing)	
Electrical		
Input Voltage	55~57 VDC (Single input)	
Power Consumption	Max. 95W (Full load PoE)	
Power Output	90W	
Protection	Reverse Polarity	
Mechanical		
Enclosure	IP40, Metal shell with solid mounting kits	
Product dimensions	84 x 80 x 25 mm (3.307" x 3.15" x 0.984")	
Regulatory		
Safety	UL62368	
Emissions	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8	
Immunity	EN 55035	
Environment	CE, FCC	

## Ordering information

Model Number	Description
IA-POE-90-U00	Illustra IEEE 802.3bt Gigabit 90W PoE Injector
IA-POE-90-U00-EU	Illustra IEEE 802.3bt Gigabit 90W PoE Injector EU

Specifications are subject to amendment without notification