

VOLKTEK

IPI-432P-60-I

Industrial Gigabit 60W PoE Injector

IPI-442P-90-I

Industrial Gigabit 90W PoE Injector

Description

IPI-442P-90-I (90W) and IPI-432P-60-I (60W) are a series of a single port PoE injector to deliver data and power to powered devices (PDs) via Cat-5e or Cat-6 Ethernet cables. The IPI-442P-90-I and IPI-432P-60-I allow data transmission at multiple rate 10/100/1000Mbps and power delivery up to 90 and 60 Watts, respectively; it's suitable for the revolutionary PoE-based lighting system that creates a new breed of smart buildings where everything is connected to a vast Internet of Things (IoT).

The IPI-442P-90-I and IPI-432P-60-I are fan-less and could be deployed in the ceiling or outdoor cabinets for smart lighting or other network communication devices. Engineered with hardened components and enclosed in a rugged IP30 case, the IPI-442P-90-I and IPI-432P-60-I can operate in wide temperatures from -40°C to 75°C and have excellent tolerance capability to high vibration and shock suitable for high-power building automation applications.



RoHS CE FC

Features Highlight

Simplified Installation w/ Compact Size

The IPI-442P-90-I and IPI-432P-60-I injectors provide a varied choice of deployment locations such as small spaces and harsh environment conditions. The MDI/MDI-X feature allow all devices to interact after plugged. When compatible devices are connected the injector will automatically detect and provide enough power for the device to operate.

Easy plug and play operation

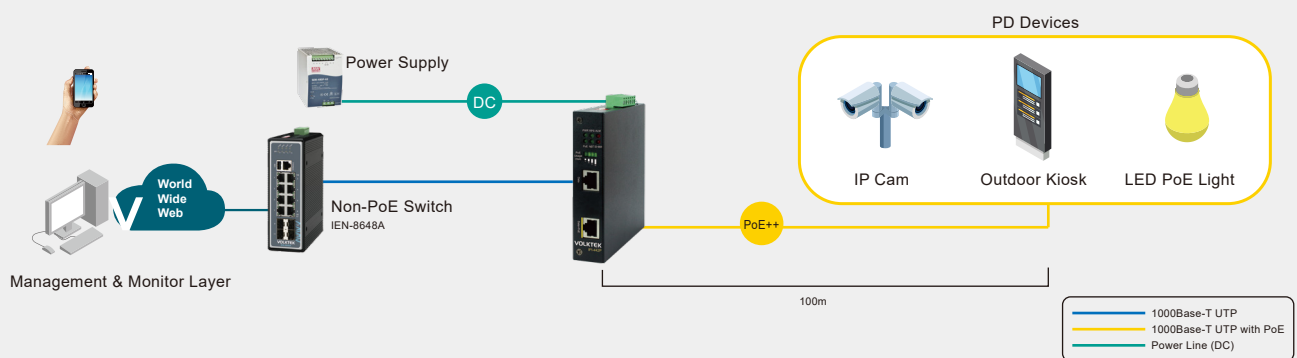
The IPI-442P-90-I and IPI-432P-60-I injectors are the easy-to-setup and ready-to-use solution for the high PoE application system. Featuring Auto-MDI/MDIX and Auto-negotiation on the copper port, the injectors automatically detects and configures the best mode of operation over a link. This eliminates the need for user setup or configuration procedure and simplifies installation, once installed these injectors operate automatically.

Robust Switch Performance

With IP30 metal case, surge and ESD protection, the IPI-442P-90-I and IPI-432P-60-I provide a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the IPI-442P-90-I and IPI-432P-60-I offer 90W and 60W injector architecture to meet the requirements of high-power PDs, Fast Ethernet or Gigabit Ethernet in tough operating temperatures.

Applications

The PoE++ Injectors provide power of up to 60W and 90W to utilize power more efficiently on PDs such as PTZ IP Cam, VOIP Phones, WiFi AP and smart PoE lights.



Specifications

Standards	
IEEE 802.3af	PoE
IEEE 802.3at	PoE+
IEEE 802.3bt	4PPoE, 4-pair PoE
Interface	
Ports	1 x Gigabit for Data 1 x RJ45 for Data & PSE
DIP Switch	PWR, RPS, NBT, RSV
LED Panel	IPI-442P-90-I: PWR, RPS, ALM, PoE, NBT, 93~96W PoE Usage (15,30,60,90) IPI-432P-60-I: PWR, RPS, ALM, PoE, NBT, 63~66W PoE Usage (15,30,60)
Power	
Power Input	Dual 24~57V DC, Terminal Block
Power Consumption	IPI-442P-90-I: 120 Watt IPI-432P-60-I: 90 Watt
PoE Mode	IEEE 802.3af (PoE) IEEE 802.3at (PoE+) IEEE 802.3bt (4PPoE) IEEE 802.3bt (Type 4)
PoE Type	MidSpan
PoE Budget	90W: IPI-442P-90-I 60W: IPI-432P-60-I
Alarm Relay	One relay output with current carrying capacity of 1A@ 24V DC

Mechanical and Environment	
Housing	Aluminum, IP30
Dimensions (W x H x D)	25 x 116 x 100 mm (0.98 x 4.57 x 3.93 in)
Weight	220 g (0.49 lb)
Mounting	DIN Rail
Operating Temperature	-40~75°C (-40°F~167°F)
Storage Temperature	-40~85°C (-40°F~185°F)
Operating Humidity	5~95% RH (non-condensing)
Storage Humidity	5~95% RH (non-condensing)
Cooling Fan	Fan-less
Standards and Certifications	
EMI	FCC Part 15 Subpart B Class A
	EN 55011 class A
	EN 55032 class A
	CISPR 32 Class A
EMS	EN 61000-6-4
	EN 55024
	IEC/EN 61000-4-2 (ESD)
	IEC/EN 61000-4-3 (RS)
	IEC/EN 61000-4-4 (EFT)
	IEC/EN 61000-4-5 (Surge)
	IEC/EN 61000-4-6 (CS)
IEC/EN 61000-4-8	
Green Product	RoHS
Ordering Information	
IPI-442P-90-I	Industrial Gigabit 90W PoE Injector
IPI-432P-60-I	Industrial Gigabit 60W PoE Injector

*Specifications subject to change without notice.

Dimension

