



12~48V DC Wide-Range Industrial 10G PoE Injector

Features

- ▶ 1×RJ45 data input + 1×RJ45 PoE output (data + power)
- ▶ Complies with IEEE 802.3af/at/bt; supports LTPoE++ 95W PSE
- ▶ Rate: 10/100/1000/2.5G/5G/10G Base-TX
- ▶ 12–48VDC wide voltage input with boost function
- ▶ PoE budget: up to 95W at 48VDC / 24VDC; up to 60W at 12VDC
- ▶ Dual LED indicators: Power, PoE status
- ▶ Industrial operating temperature: -40°C to +80°C
- ▶ Mounting: DIN-rail / wall-mount
- ▶ IP40 aluminum case, fanless design



Product Description

WXA-INJ90 series is an industrial hardened single-port PoE injector compliant with IEEE 802.3af/at/bt standards, delivering up to 95W PoE output. It supports 10/100/1000/2.5G/5G/10G Base-TX Ethernet, features 12–48VDC wide-range input with built-in voltage boost, and combines data and power over one cable. It connects non-PoE switches to high-power PD devices (wireless APs, PTZ cameras, IP phones, etc.) for stable operation in harsh industrial environments..



Product Specification

Ethernet Standard	10/100/1000/2.5G/5G/10G BASE-T
Forwarding Mode	Forward
Duplex Mode	Half-duplex / Full-duplex
Forward Filter Rate	14,880,000 pps (10Gbps)
Cabling Requirement	CAT7 or above
Max Transmission Distance	30m (CAT7 UTP)
Port Configuration	1×RJ45 Data In; 1×RJ45 PoE Out
PoE Standard	IEEE 802.3af / 802.3at / 802.3bt
PoE Output Power	95W (48VDC / 24VDC); 60W (12VDC)
Power Input	12~48VDC (Terminal Block)
Max Power Consumption	100W
Power Pin Assignment	1, 2, 4, 5(+); 3, 6, 7, 8(-)
LED Indicators	Power; PoE
Operating Temperature	-40° C to 80° C
Storage Temperature	-40° C to 85° C
Humidity	5%~95% non-condensing
MTBF	>200,000 hours
Surge / ESD	RJ45: 1KV; Power: 500V; ESD: 4KV/8KV
Dimensions (W×D×H)	95×70×30 mm
Weight	0.25Kg
Housing	IP40 Aluminum Case
Mounting	DIN-Rail / Wall-mount
Certifications	ISO9001; FCC Part 15 Class A; EN55022:2006+A1:2007 Class A