



12~48V DC Wide-Range Industrial Gigabit PoE Injector

Features

- ▶ 12~48V DC Power Input
- ▶ 1 RJ45 Ethernet Data Input Port + 1 RJ45 PoE Output Port (Data + Power)
- ▶ Supports IEEE 802.3af/at/bt Power over Ethernet (PoE+) Power Sourcing Equipment
- ▶ Supports 10/100/1000Base-TX(2.5/5/10G Optional)
- ▶ Comprehensive LED Indicators for PoE Diagnostics
- ▶ Industrial-grade Hardened Design (-40°C to 80°C / -40°F to 176°F) Operating Temperature
- ▶ Compact Dimensions: 95 × 70 × 30 mm
- ▶ Aluminum Alloy Housing
- ▶ Supports DIN-rail and Wall Mounting Installation



Product Description

WXA-INJ30 series is a hardened gigabit high-power PoE injector. It connects IEEE 802.3af/at/bt PoE devices (such as cameras and APs) to non-PoE LAN switches, supporting 100-meter transmission. Both of its 10/100/1000Base-T ports (Ethernet/PoE Out) comply with the IEEE 802.3ab standard. In addition, the PoE Out port meets the IEEE 802.3af/at/bt standards, enabling compatibility with high-power devices. Being industrial-hardened, the WXA-INJ30 series excels in harsh environments.



Product Specification

| | | 90W | 60W | 30W |
|----------------------------------|-------------------------------|--|--|--|
| Ethernet | Standards | IEEE 802.3/802.3u/802.3ab; 802.3x Flow Control | IEEE 802.3/802.3u/802.3ab; 802.3x Flow Control | IEEE 802.3/802.3u/802.3ab; 802.3x Flow Control |
| | Forwarding Performance | Full/Half-duplex; 1,488,000pps @ 1000Mbps | Full/Half-duplex; 1,488,000pps @ 1000Mbps | Full/Half-duplex; 1,488,000pps @ 1000Mbps |
| | Cabling & Distance | Cat5e+ 4-pair UTP; Max 100m | Cat5+; Max 100m(Cat5 UTP) | Cat5+; Max 100m(Cat5 UTP) |
| | Interfaces | 2×RJ45 | 2×RJ45 | 2×RJ45 |
| Electrical and Mechanical | Input Voltage | 12~48VDC (2-pin Terminal Block) | 12~48VDC (2-pin Terminal Block) | 12~48VDC (2-pin Terminal Block) |
| | Max Power Consumption | 100W | 65W | 36W |
| PoE | Standards | IEEE 802.3af/at/bt | IEEE 802.3af/at | IEEE 802.3af/at |
| | Power Delivery/Pin Assignment | Data/spare pair supply | 4/5 (+), 7/8 (-) (Alternative B) | 4/5 (+), 7/8 (-) (Alternative B) |
| | Max Power per Port | 95W (48/24VDC), 60W (12VDC) | 60W | 30W |
| Environmental | Operating Temperature | -40°C~80°C (-40°F~176°F) | -40°C~80°C (-40°F~176°F) | -40°C~80°C (-40°F~176°F) |
| | Relative Humidity | 5%~95% (non-condensing) | 5%~95% (non-condensing) | 5%~95% (non-condensing) |
| | MTBF | >200,000hrs | >200,000hrs | >200,000hrs |
| Protection | Casing & Rating | IP40 Aluminum Case | IP40 Aluminum Case | IP40 Aluminum Case |
| | Surge/ESD Protection | RJ45: 1KV; Power: 500V; ESD: 4KV/8KV | RJ45: 1KV; Power: 500V; ESD: 4KV/8KV | RJ45: 1KV; Power: 500V; ESD: 4KV/8KV |
| Physical | Dimensions (W×D×H) | 95×70×30mm | 95×70×30mm | 95×70×30mm |
| | Weight | 0.25Kg | 0.25Kg | 0.25Kg |



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|-------------------|------------------|--------------------------|--------------------------|--------------------------|
| | Mounting Options | DIN-Rail / Wall-mount | DIN-Rail / Wall-mount | DIN-Rail / Wall-mount |
| Indicators | LED Functions | Power Status, PoE Status | Power Status, PoE Status | Power Status, PoE Status |