

RP-IPJ301W

Industrial waterproof 2.5G 802.3at PoE Injector

RP-IPJ301W is an industrial-grade 2.5G 802.3at PoE Injector built for rugged environments with IP67-level protection. This injector complies with IEEE 802.3af/at standard, enabling seamless integration with various PoE compliant devices like APs, IP Cameras, and IP Phones.

RP-IPJ301W supports 2.5G transmission rates, delivering increased power over just 2 pairs of wires. With a remarkable 100-meter range for remote power and data feeding, Its robust metal shell design, short-circuit protection, and plug-and-play convenience make it a durable and user-friendly solution.

RP-IPJ301W offers exceptional power and data delivery, making it a versatile solution for various applications. Its rugged build and IP67-industrial level protection ensure robust performance even in harsh conditions. With intelligent power management and a IK10 vandal-proof design, this injector is your reliable, hassle-free choice for expanding network connectivity.



Features

- Two 100/1000/2500Mbps RJ45 port for Data+ Power output and Data input,
- One 2-pin terminal block for power input DC 24-56V.
- Complies with IEEE802.3af/at Standard
- Auto detect power device
- Remote power and Data feeding up to 100m
- Plug-and-play, requires no configuration
- Intelligent protection and Short Circuit Protection
- IP67-rated and IK10-rated metal shell with wall-mount design
- Operating temperature: -40°C to 75°C

Specifications

Standard	<ul style="list-style-type: none"> • IEEE 802.3 Ethernet • IEEE 802.3u Fast Ethernet • IEEE 802.3ab Gigabit Ethernet • IEEE 802.3x Flow Control • IEEE 802.3af Power over Ethernet • IEEE 802.3at Power over Ethernet Plus
Interface	<ul style="list-style-type: none"> • Data: 1*100/1000/2500Mbps RJ45 Port • PoE Out: 1*100/1000/2500Mbps RJ45 Port • 1*DC IN
PSE Power on RJ-45	<ul style="list-style-type: none"> • Data Pairs 1/2(+),3/6(-)
Power Pin Assignment	<ul style="list-style-type: none"> • 1/2 (-), 3/6 (+), 4/5 (+), 7/8 (-)
PoE Power Output	<ul style="list-style-type: none"> • 30W Max
Input Voltage	<ul style="list-style-type: none"> • DC 24-56V
Input Current	<ul style="list-style-type: none"> • 1.5Amax, @24VDC (Full Load)
Output Voltage	<ul style="list-style-type: none"> • DC55V±5%
Output current	<ul style="list-style-type: none"> • 0.6A Max
Output ripple voltage	<ul style="list-style-type: none"> • ≤200mV <p>Test conditions: rated input voltage, full load output, Tested with 20MHz bandwidth oscilloscope, Parallel connected a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor to the output</p>
Environment	<ul style="list-style-type: none"> • Operating Temperature: -40°C ~ 75°C • Storage Temperature: -40 ~ 80 °C • Operating Humidity: 10% ~ 90% non-condensing • Storage Humidity: 5% ~ 90% non-condensing
Dimension	<ul style="list-style-type: none"> • 150 x 73 x 44 mm
LED Indicator	<ul style="list-style-type: none"> • PWR(Green) , PoE(Green)
Network Media(Cable)	<ul style="list-style-type: none"> • 10BASE-T: UTP category 3, 5 cable (≤100m) • 100BASE-TX: UTP category 5,5e cable (≤100m) • 1000BASE-T: UTP category 5e,6 cable(≤100m) • 2500BASE-T: UTP category 5e,6 cable(≤100m)
Surge Protection	<ul style="list-style-type: none"> • Differential mode±2KV, Common mode±4KV
Electrostatic standard	<ul style="list-style-type: none"> • Contact ±6KV,Air ±8KV
Waterproofing grade	<ul style="list-style-type: none"> • IP67
Anti-hazard classification	<ul style="list-style-type: none"> • IK10

Ordering Information

RP-IPJ301W Industrial Waterproof 2.5G 802.3at PoE Injector

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