



## Megatel Industries Corporation

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### INJ-G01-90W Data Sheet & Manual



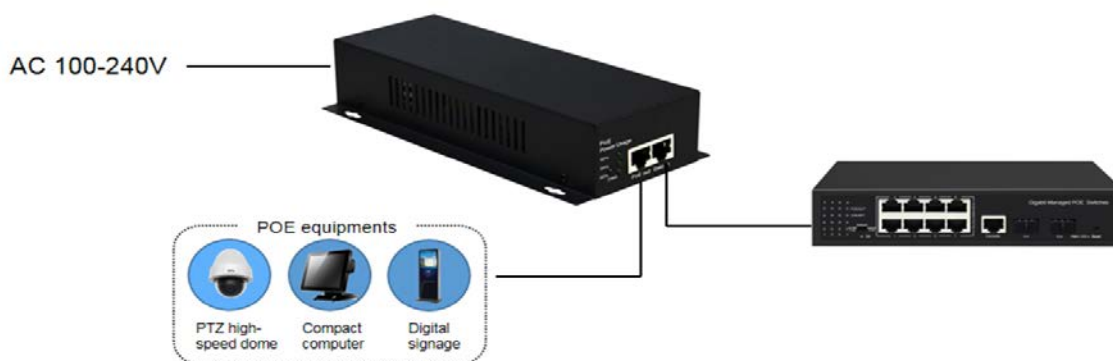
#### 【Product Overview】

INJ-G01-90W is a Gigabit Ethernet POE Injector, its max POE output power is up to 90W and its data input port supports 10/100/1000Mbps self-adaption. It supports power input AC100-240V, working temperature  $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ , and the industrial-grade chip is used to enhance the design. It provides surge protection, and complies with FCC, CE, RoHS standards. Reliable metal case design can ensure your uninterrupted and stable operation of the automation system. This product is widely used in networks and digital signage display system. For installation, please use and connect the Grounding to achieve surge protection.

#### 【Product Features】

1. Support 1 gigabit POE port and 1 Gigabit Ethernet port
2. Compatible with IEEE802.3af (15.4W), IEEE802.3at (30W) and IEEE802.3bt (90W)
3. Support power monitoring 30%, 60%, 90% three stages
4. Support power input from AC100V to AC240V
5. Metal shell, IP20 protect grade, working temperature  $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$
6. Support port Surge Protection: Common mode 6KV, Differential mode 2KV; ESD 15KV, Contact 8KV, Air 15KV

#### 【Application Diagram】



## 【Technical Specifications】

General Parameters	
Product name	INJ-G01-90W, 90W Gigabit PoE Injector
Connector Type	RJ45
POE Parameters	POE Standard: IEEE802.3af /IEEE802.3at/IEEE802.3bt
	Each port Max: 15.4 W (IEEE 802.3af) Each port Max: 30 W (IEEE 802.3at) Each port Max: 90 W (IEEE 802.3bt)
	POE port Output Power: DC52V
	POE Port RJ45 Pins: 1/2-, 3/6+ ; 4/5+, 7/8-
Network Media	10BASE-T: Cat3.4.5 or more UTP (≤100 m) 100BASE-TX: Cat5 or more UTP (≤100 m) 1000BASE-TX: Cat5 or more UTP (≤100 m)
LED indicator	Power ON: Powered OFF: No Power
	POE power 30%/60%90% ON: Current power state OFF: Power usage is below scale
Power Supply	Power input: AC100-240V 50/60 Hz Working power: 52V/1.85A
Working Environment	Operating Temperature: -20 ~ 50°C Storage Temperature: -40 ~ 85°C Humidity: 5%~95 % (non-condensing)
Testing standard	EN61000-4-2 (ESD) IEN61000-4-5 (Surge) EN61000-4-3 (RS) EN61000-4-6 (CS) EN61000-4-4 (EFT) FCC Part 15/ CISPR32 /EN55032: CLASS A IEC 60068-2-27 Shock IEC 60068-2-32 Free fall IEC 60068-2-6 Vibration
Mechanical Structure	Metal Case Protection Grade: IP20 Installation: Wall mount Product Dimension (L×W×H): 187 mm× 95mm×42 mm Net Weight: 425G Package Dimension (L×W×H): 245 mm× 190mm× 60mm Gross Package Weight: 675G
Package Contents	90W Gigabit POE Injector: 1 PCS User Manual: 1 PCS
MTBF	100,000 hours
Warranty	2 years

## 【Ordering information】

INJ-G01-90W	90W Gigabit PoE Splitter
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