# PoE Injectors (Power Over Ethernet)
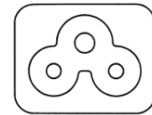## Designed to Power 24 and 48 V Mimosa Devices

Mimosa's wide range of Power over Ethernet (PoE) solutions are designed for a clean installation in any environment. Supporting many county specific plugs and power options, Mimosa's PoE is the best power solution for your wireless installations .

Gigabit PoE Injector (50 V)

Gigabit PoE Injector (24 V)

IEC-320 C6 3 pin inlet
Requires C5 3 pin cable

## PoE Injectors: Specifications

| Model | Gigabit PoE Injector (50 V) | Gigabit PoE Injector (24 V) |
|---|---|---|
| Part Number | 502-0022    (100-00080) | 502-00025 |
| Dimensions | 138 mm x 62 mm x 35 mm (5.4″ x 2.4″ x 1.4″) L x W x H | 97 mm x 53.5 mm x 35.5 mm (3.8″ x 2.1″ x 1.4″) L x W x H |
| Weight | 0.24 kg (8.8 oz) | 0.13 kg (4.6 oz) |
| Color | Grey | Grey |
| Gigabit LAN | Yes, (2) RJ-45 | Yes, (2) RJ-45 |
| Output Voltage | 50 V === 1.2A | 24 V === 0.5A |
| Max Current Load | 1.2A (60 W) | 0.5A (12 W) |
| 2-Pair Powering | PIN 1/2 and 4/5: +50 V PIN 3/6 and 7/8: GND | PIN 1/2 and 4/5: +24 V PIN 3/6 and 7/8: GND |
| Input Voltage | 100–240 VAC ~ 50/60 Hz; Max 1.5A | 100–240 VAC ~ 50/60 Hz; Max 0.75A |
| Input Current | 1.5A @ 115 VAC; 1.0A @ 230 VAC | 0.5A @ 90 VAC |

| Model | Gigabit PoE Injector (50 V) | Gigabit PoE Injector (24 V) |
|---|---|---|
| **Input Frequency** | 47–63 Hz | 47–63 Hz |
| **Max In-Rush Current** | 150A | 70A @ 230 VAC |
| **Ripple Voltage** | 200 mV | 120 mV |
| **Protection** | Over Current; Over Voltage | Over Current; Over Voltage |
| **Efficiency** | 88+% - Level VI | 82+% - Level VI |
| **RJ-45 Type** | Metal-Shielded | Metal-Shielded |
| **AC Connector** | IEC-320 C6 (3 Pin Inlet) | IEC-320 C6 (3 Pin Inlet) |
| **Operation Indicator** | 1 LED (Blue) | 1 LED (Blue) |
| **Operating Temperature** | -25° C to +50° C | 0° C to +40° C |
| **Operating Humidity** | 5% to 95% non-condensing | 10% to 90% non-condensing |
| **Storage Temperature** | -30° C to +70° C | -20° C to +80° C |
| **Compliance** | **EMI**<br>FCC Part 15 Class B<br>EN 55022/24 Class B / CE<br>IEC61000-4<br><br>**Safety**<br>UL/cUL 60950-2<br>IEC/EN 60905-1<br>RCM/C-Tick<br>TUV:GS, CB<br>S-Mark, CCC<br>NOM<br><br>**Others**<br>WEEE/RoHS | **EMI**<br>FCC Part 15 Class B<br>EN 55022/24 Class B / CE<br>IEC61000-4<br><br>**Safety**<br>UL/cUL 60950-1<br>GB4939<br>TUV:GS<br>IEC60905<br>RCM/C-Tick<br>S-Mark<br>NOM<br><br>**Others**<br>WEEE/RoHS |

Mimosa Networks is the global technology leader in wireless broadband solutions, delivering fiber-fast connectivity to service providers and enterprise, industrial and government operators worldwide. Mimosa access, backhaul and client solutions are deployed in a hybrid-fiber-wireless architecture, and engineered for both point-to-point and point-to-multipoint connections. Mimosa's technology delivers unprecedented levels of cost-effective spectral efficiency. Founded in 2012 and headquartered in Silicon Valley, Mimosa is sold worldwide by members of Mimosa's partner program.