

# ODI RUGGED!+™ PoE POWER SUPPLY INJECTOR



## PRODUCT OVERVIEW

The Terra Ferma's American made Heavy Duty PoE Injector features a 10/100/1000TX Ethernet port supporting IEEE 802.3 af/at/bt high power PoE supplying up to 90 watts. Designed for outdoor applications.

### POE INJECTOR:

- 01** PROVIDES DATA AND POWER OVER ETHERNET TO POWER DEVICE
- 02** 1 - PORT 10/100/1000TX RJ45 WITH IEEE 802.3 AF/AT/BT HIGH POWER POE
- 03** 1 - PORT 10/100/1000TX RJ45
- 04** STANDARD OPERATING TEMPERATURE RANGE: -40°C TO 60°C
- 05** IP-67 RUGGED!+™ METAL CASE DESIGN

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The small form factor is ideal for saving space in applications such as pole mounting, security, power/utility, long haul connectivity and any other extreme ambient weather environments. The unit has 90 to 260VAC global power inputs with over temperature & overload current protection. This product series supports pole mount as well as wall mountable orientations and extended operating temperature range.

## TECHNOLOGY STANDARDS

- IEEE 802.3 10BASE-T ETHERNET
- IEEE 802.3U 100BASE-TX FAST ETHERNET
- IEEE 802.3AB 1000BASE-T GIGABIT ETHERNET
- IEEE 802.3AT 15-WATT POWER OVER ETHERNET
- IEEE 802.3AF 30-WATT POWER OVER ETHERNET
- IEEE 802.3BT 60/90-WATT POWER OVER ETHERNET

## AC POWER:

- INTEGRATED AC POWER SUPPLY, 90 TO 260 VAC INPUT
- IEC 62368 SAFETY CERTIFICATION
- ACTIVE POWER FACTOR CORRECTION
- OVER VOLTAGE AND OVERLOAD PROTECTION
- CLASS I POWER SUPPLY

## MECHANICAL CHARACTERISTICS

- IP67 PROTECTION – ENCLOSURE & CONNECTORS
- POLE MOUNTING, WALL MOUNTING

## POWER REQUIREMENT

INPUT VOLTAGE 90 TO 260VAC (50/60HZ)

## REGULATORY APPROVALS

EMI FCC CLASS B  
ROHS COMPLIANT  
CE MARK  
UL PENDING

## WARRANTY

1 YEAR (EXTENDED WARRANTY AVAILABLE)

## RUGGED!+ TECHNOLOGY

TerraFerma's trademarked RUGGED!+™ construction and finishing maintain product integrity in extremely harsh environments. We expect optimal performance to be achieved in the toughest manufacturing and tactical climates in the world.

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## TECHNICAL SPECIFICATIONS

Dimensions	7.25" x 3.5" x 6.75" (W x H x D)
Weight	5 lbs
Operating Temperature	-40°C (-40°F) to +70°C (158°F)
Storage Temperature	-40°C (-40°F) to +85°C (185°F)
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Humidity	0 to 95% non-condensing
Waterproofing	IP-67
Ethernet Connector(s)	RJ-45 with PG-16 Gland
AC Input	90-260 VAC, 47-63Hz
AC Input connector	Phoenix Contact PRC-3
Efficiency	Better than 90%
Over Current Protection	Trip point set between 110% to 120% of full load current
Power factor	Better than 0.9
LED Indicators	Power and PoE
Poe Pin Assignment	V+ for pin 3, 4, 5, 6 V- for pin 1, 2, 7, 8
PoE Power Budget	90 Watts, cut off @ 99 Watts
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
EMI	FCC Class B
MTBF	100k hrs. MIL-HDBK-217F 25°C

## TERRA FERMA, LEADING INDUSTRIAL IOT

For more than 10 years, Terra Ferma's engineers have been involved in increasingly sophisticated communications projects. As these projects branched into new sectors, the need for new, more capable products were realized. Terra Ferma was developed to fill this growing need and has brought power products for communication systems to a new level and a broader market.

### GET A FREE QUOTE

For additional information and a free quote please contact your  
TERRA FERMA Sales Representative.

Or reach us online at [TerraFerma.com](http://TerraFerma.com)