

## Product Overview

### Industrial Power-over-Ethernet Injector



## Description

The High-Power PoE Injector features an expanded temperature range and extra resilience to shock and vibration. The PoE injector is conforming to PoE+ standards acc. IEEE 802.3at. The device supports 10/100/1000Mbps data transmission and is powered with 24-48 Volts over top-hat rails.

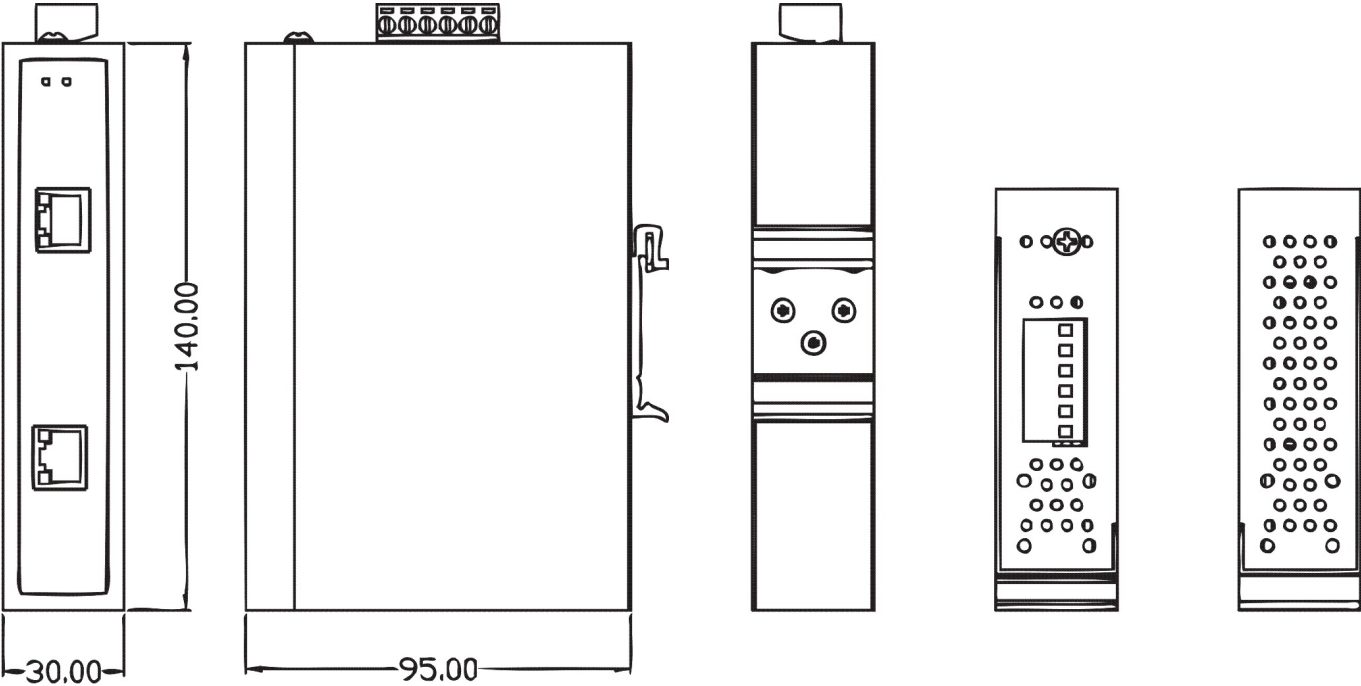
The industrial PoE Injector can power PoE-compliant switches, WLAN solutions or IP cameras directly through the data cable. Devices with maximum power consumption levels of up to 30 watts are supported. PoE+ is preferred for use at outdoor access points with heating elements or with motor-controlled PTZ surveillance cameras, since these devices consume more power.

The MICROSENS PoE Injector is also specially conceived with demanding industrial environments in mind. The device has an extended temperature range of -40 to +75 degrees, additional protection against shock and vibrations and a robust metal case built to Protection Class IP30 standards. Areas of application for this new solution range from automation technology to telecommunication-related uses to railway surveillance

## Properties

- supports 10/100/1000Mbps
- IEEE 802.3at compatible
- power levels of up to 30W
- extended temperature range of -40 to +75°C
- protection against shock and vibrations
- robust metal case

**Dimensions**



# Specifications

## General

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<b>Type</b>	Industrial Power-over-Ethernet Injector acc. IEEE 802.3af/at for Fast Ethernet and Gigabit Ethernet networks
<b>Performance</b>	10/100/1000Mbps

## Display

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<b>Power</b>	2x (Power 1 and Power 2) 1x PoE
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## Environment

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<b>Operating Temperature</b>	-40 to +75°C (40°F..167°F)
<b>Storage Temperature</b>	-40 to +85°C (40°F..185°F)
<b>Relative Humidity</b>	5 to 95%, non condensing

## Standards Compliance

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<b>CE Mark</b>	2004/108/EC (EMC) 2006/95/EG (Low Voltage)
<b>Safety</b>	EN61000-6-4 EN61000-6-2 EN61000-4-2 (ESD) EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) EN61000-4-8 (Magnetic Field)
<b>Electromagnetic Emission</b>	EN 55022:2006
<b>Electromagnetic Immunity</b>	EN 55024:1998
<b>IEEE (Ethernet)</b>	802.3 10BASE-T 802.3u 100BASE-TX 802.3ab 1000B-T 802.3af/at Power-over-Ethernet

## Local Ports (Twisted-Pair)

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<b>Number of Ports</b>	1
<b>Type</b>	Fast / Gigabit Ethernet auto sense, 10/100/1000Base-T
<b>Connector</b>	RJ-45 jack, shielded
<b>Cable Type</b>	Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m
<b>Pinout</b>	LAN-Port Data 1,2,3,6 PoE-Port Data 1,2,3,6 Power 1,2 (V+) 3,6 (V-)
<b>Power-over-Ethernet</b>	Power Sourcing Equipment (PSE) IEEE 802.3af/at, max. 30W

## Power Supply (DC)

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<b>Input Voltage</b>	24..48 VDC (step up converter)
<b>Connector</b>	Screw terminal, 6 pin, V+/V- + V+/V- redundant

## Mechanical

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<b>Dimensions</b>	30 mm x 140 mm x 95 mm (W x H x D)
<b>Weight</b>	432g
<b>Housing Color</b>	black

## Order Information

### Description

### Article Number

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Industrial Power-over-Ethernet Injector for 10/100/1000T acc. IEEE802.3at, DIN Rail mounting, ext. temperature range -40..75°C

**MS655033X**

## Accessories

### Description

### Article Number

Hat-rail power supply 60 Watt 48 V / 1,25 A, wide range input 85-264 VAC, 85..375 VDC **MS700430**

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