

Datasheet

MICROSENS

Entry Line

Industrial Gigabit Ethernet PoE-Injector Series
with up to 95W,
optionally with 24V-Step Up-Converter



Features

Power-over-Ethernet-Injector

MS657031X – max. 36 W

MS657032X – max. 72 W

MS657032X-24 – max. 72 W

MS657034X – max. 95 W

- DIP-Mode A: End-Span 1,2,3,6
- DIP-Mode B: Mid-Span 4,5,7,8
(MS657032X / MS657032X-24 only)
- Fully 802.3af / 802.3at compliant
- Power-over-HDBaseT (MS657034X only)

Ports

- 1x 10/100/1000Base-T IN (Data only)
1x 10/100/1000Base-T Out
(Data and PoE (PSE))
full cable length up to 100m
- 1x Pluggable screw connector
- 1x Grounding screw

Housing

- DIN rail bracket or wall bracket (scope of delivery)
Protection Class: IP 30
- Metal Housing

Power Supply

- Input 44..56 V DC redundant
- Wide range input (internal step-up converter optional 18..56 V DC - MS657032X-24 only)
- An external power supply (230 V AC) is not included in scope of delivery

Technical Details

Injector

Type	1 Port Gigabit Ethernet High Power Injector for industrial applications
MTBF	510,304 hrs (MIL-HDBK-217F)

Environment

Operating temp.	-40..+75 °C
Humidity	5 ..95%, non condensing
Storage temp.	-40..+85 °C

Ports (Data / Uplink)

Quantity	1 (Data only)
Type	Gigabit Ethernet 10/100/1000Base-T
Connection	RJ-45 socket, shielded
Cable type	Shielded Twisted-Pair Cable, Cat. 5, Impedance 100 Ohm,

Ports (PoE / Downlink)

Quantity	1 (Data and Power)
Type	Gigabit Ethernet, Triple Speed 10/100/1000Base-T, PoE
Connection	RJ-45 socket, shielded
Cable Type	Shielded Twisted-Pair Cable, Cat. 5, Impedance 100 Ohm,

Displays (LEDs)

P1	<i>Green</i> Input voltage ok
P2	<i>Green</i> Input voltage ok
4 Pair	<i>Amber</i> HI-PoE-supply active
Mode A	<i>Green</i> End-Span on
Mode B	<i>Green</i> Mid-Span on

DIP-Switch (*MS657032X/ MS657032X-24 only*)

2P <-> 4P	2 Pair (30 W) / 4 Pair (60 W) (4P DEFAULT)
A <-> B	Mode A (End) / Mode B (Mid) (Mode A DEFAULT)
HI <-> at	HI-PoE (36 W) / 802.3at (30 W) (HI DEFAULT)
Res <-> Res	<i>Not used</i>

Power Supply

Connection	pluggable screw connector
Input Range	
MS657031X	44..56 VDC (red.)
MS657032X	48..56 VDC (red.)
MS657032X-24	18..56 VDC (red.)
MS657034X	54..56 VDC (red.)
Safety	<ul style="list-style-type: none"> ▪ Reverse polarity protection ▪ Overvoltage protection
Grounding (PE)	Via screw connector

Power-over-Ethernet / PoE+

Type	PSE – Power Source Equipment for the supply of end devices
Output	
MS657031X	15,4/30W/36W
MS657032X(-24)	15,4/30W/36W/60W/72W
MS657034X	15,4/30W/36W/60W/72W/95W
Assignment	Depending on mode (adjustable by DIP, only for MS657032X and MS657032X-24)

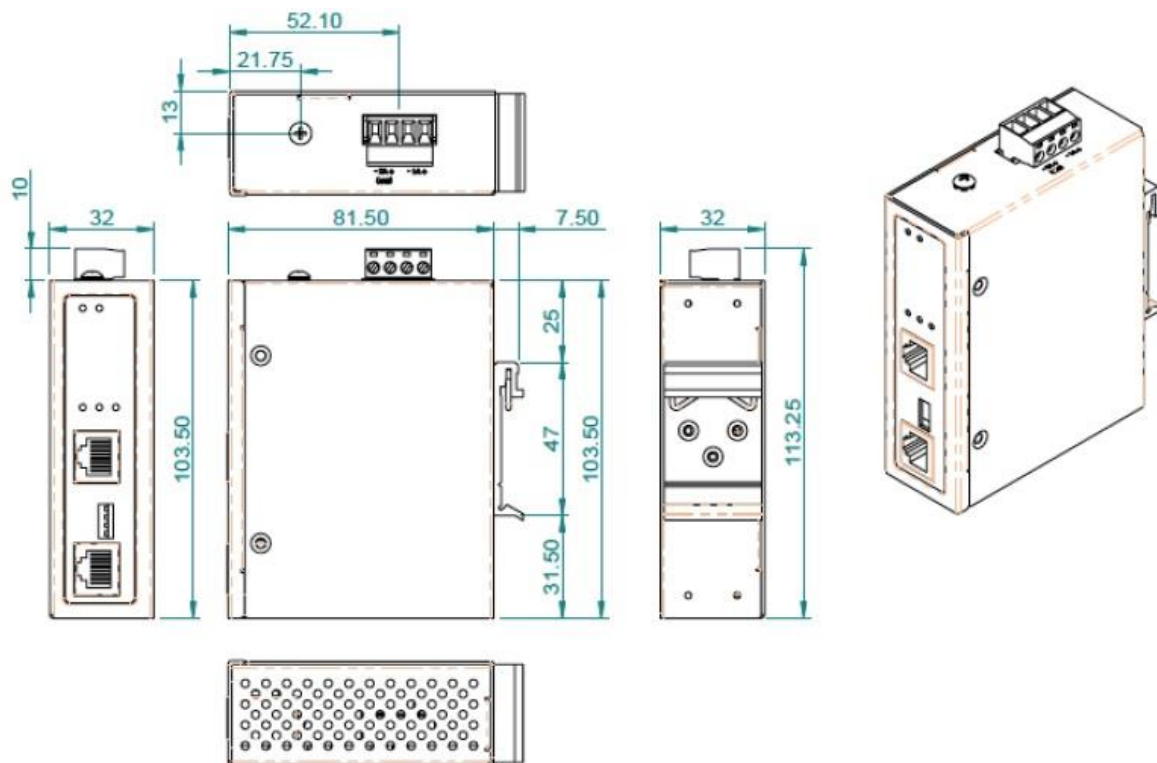
Mechanical

Dimensions	32 x 103,5 x 81,5 (W x H x D, without connectors)
Mounting	either DIN rail bracket or wall mounting
Protection Class	IP30
Housing	Metal

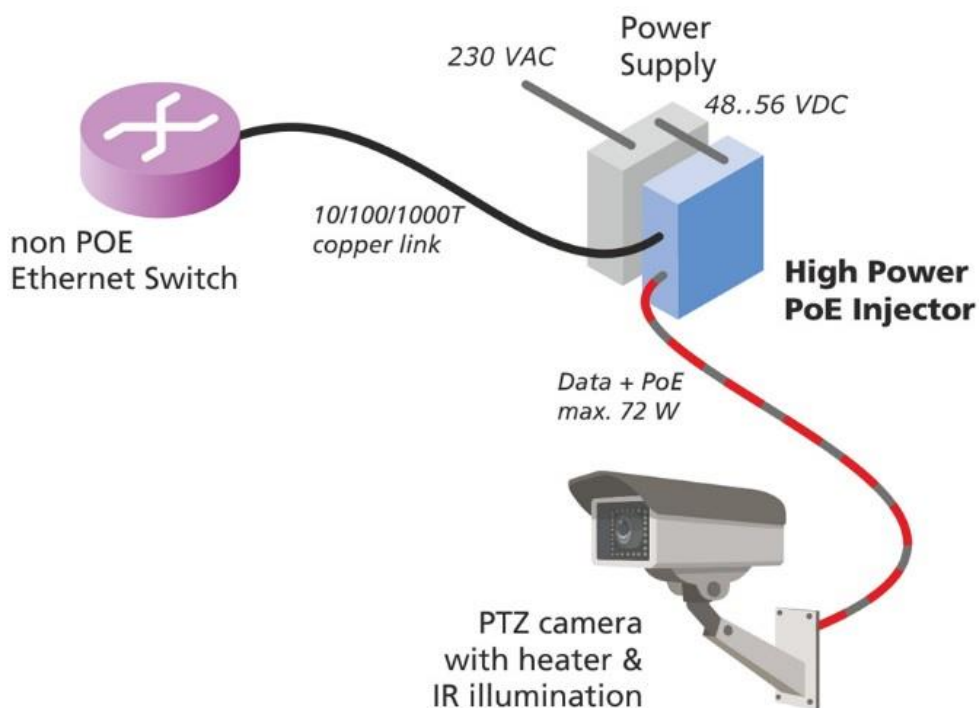
Standards

EMV	EN 55022 (Class A) EN 55024
Safety	EN60950-1
IEEE	802.3 10Base-T 802.3u 100Base-TX 802.3ab 1000Base-T 802.3af PoE 802.3at PoE+

Dimensions




Example of Application





Order Information


High Power PoE Injectors

	Description	Art.-No.
	Industrial PoE-Injector, 2x 10/100/1000Base-T, redundant power supply, extended temperature range -40..+75°C	
	PoE-Injector, 15,4W/30W, max. 36W @56V DC Power supply 44..56 VDC, redundant	MS657031X
	PoE-Injector, 15,4W/30W/36W/60W, max. 72W @56V DC Power supply 44..56 VDC, redundant	MS657032X
	PoE-Injector, 15,4W/30W/36W/60W, max. 72W @56V DC Power supply 18..56 VDC , redundant, integrated Step-Up Converter	MS657032X-24
PoE-Injector, 15,4W/30W/36W/60W/72W, max. 95W @56V DC Power supply 54..56 VDC, redundant, Power-over-HDBaseT (PoH)	MS657034X	

Alternativ Entry Line Products

	Description	Art.-No.
	Industrial Gigabit Bridge, 1x 10/100/1000Base-T, 1x 100/1000Base-X (SFP-Slot), Extended temperature range -40..+75°	
	Industrial Gigabit Ethernet Bridging Converter 1x 10/100/1000Base-T to 1x 100/1000Base-X SFP Port	MS657099X
	Industrial Gigabit Ethernet Bridging Converter with PoE+ 1x 10/100/1000Base-T with PoE+ (30 W) to 1x 100/1000Base-X SFP Port	MS657099PX
	Industrial Gigabit Ethernet Bridging Converter with HI-PoE (60W) 1x 10/100/1000Base-T with HI-PoE (60 W) to 1x 100/1000Base-X SFP Port	MS657099PHX
	6-Port Industrial Gigabit Switch, 4x 10/100/1000Base-T, 2x 100/1000Base-X (SFP-Slot), 1x as FO/TP-Comboport, extended temperature range -40..+75°C	
	Industrial Gigabit Switch, 2x 12..56V DC redundant	MS657203X
Industrial Gigabit Switch, 4x 10/100/1000Base-T with PoE+ (30 W), 2x 48..56V DC redundant	MS657203PX	

Accessories

 (Fig.: MS700456)	Description	Art.-No.
	Industrial DIN-Rail Power Supply	
	DIN-Rail Power Supply 48..56 VDC / 1,25 A, Wide range input 85..264 VAC/ 85..375 VDC Extended temperature range -10..+70°C	MS700430
DIN-Rail Power Supply 45..55 VDC / 2.5 A (120W), Wide range input 90..132/180..264 VAC Extended temperature range -35..+70°C	MS700456	

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