TSW010

DIN RAIL ETHERNET SWITCH



Energy & utilities

Enterprise

Industrial & automation

Retail

Smart city

PLUG AND PLAY

No additional configuration needed

MOUNTING

Integrated DIN rail bracket and surface mounting options

INDUSTRIAL DESIGN

Anodized aluminum housing and panels

ETHERNET

5 x Ethernet ports with speeds of up to 100 Mbps

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Ethernet	
ETH	5 x ETH port, 10/100 Mbps, supports auto MDI/MDIX crossover
IEEE 802.3 series standards	802.3i, 802.3u, 802.3x, 802.3az

INDUSTRIAL PROTOCOLS	
Profinet	Profinet Class A conformance (available with optional order code)

Performance Specifications	
Bandwidth (Non-blocking)	1 Gbps
MAC address table size	2K entries
Jumbo frame support	2048 bytes

Power	
Connector	2-pin industrial DC power socket
Input voltage range	9 – 30 VDC
Input voltage range*	12-40 VAC (50/60Hz)
	*Feature availability varies by order code
PoE (passive)	Possibility to power up through ETH1 ports, not compatible with IEEE802.3af, 802.3at and 802.3bt standards, Mode B, 9 - 30 VDC
Power consumption	Idle: 0.3 W / Max: 0.9 W

Physical Interfaces	
Ethernet	5 x RJ45 ports, 10/100 Mbps
Status LEDs	1 x Power LED, 10 x ETH status LEDs
Power	1 x 2-pin industrial DC power socket

Physical Specification	
Casing material	Aluminium housing
Dimensions (W x H x D)	113.1 x 27.4 x 80.5 mm
Weight	146.5 g
Mounting options	Integrated DIN rail bracket; wall mount and flat surface (additional kit needed)

Operating Environment	
Operating temperature	-40 °C to 75 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP30

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Regulatory & Type Approvals	
Regulatory	CE, UKCA, EAC, FCC, IC, CB, RCM, CITC, ANRT, SDPPI (POSTEL), Kenya, REACH, RoHS, WEEE, UL Safety, MTCTE

EMC Emissions & Immunity	
Standards	EN 55032:2015 + A11:2020 + A1:2020 EN 55035:2017 + A11:2020
ESD	EN 61000-4-2:2009
Radiated Immunity	EN IEC 61000-4-3:2020
EFT	EN 61000-4-4:2012
Surge Immunity (AC Mains Power Port)	EN 61000-4-5:2014 + A1:2017
CS	EN 61000-4-6:2014

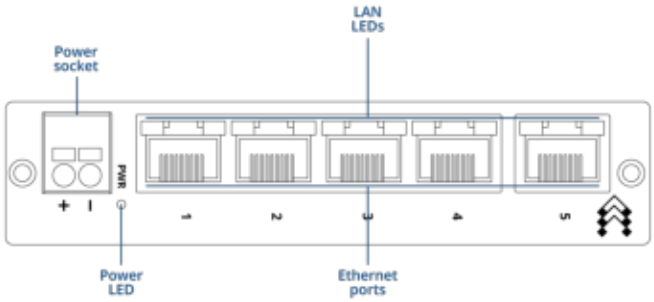
Safety	
Standards	**CE:** EN IEC 62368-1:2020 + A11:2020 **RCM:** AS/NZS 62368.1:2022 **CB:** IEC 62368-1:2018

Safety (Ordinary Locations)	
Standards	UL/CSA Safety: UL 62368-1 (3rd Ed., Rev. December 13, 2019), C22.2 No. 62368-1:19 (3rd Ed., Rev. December 13, 2019)

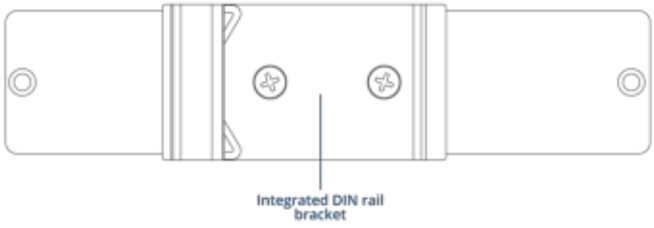
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Hardware

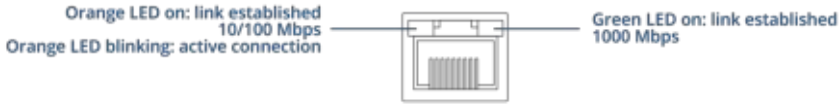
FRONT VIEW



BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



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Ordering

Standard package*



TSW010



QUICK START GUIDE

*Standard package contents may differ based on standard order codes.

For more information on all available packaging options – please contact us directly.

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Classification codes

HS Code: 851762
HTS: 8517.62.00

For more information on all available packaging options – please contact us directly.

Available versions

Hardware version	Supported frequencies	Standard order code / Package Contains
TSW010 *****0 **Input voltage range: 9 - 30 VDC**	N/A	TSW010000000 / Standard package without PSU TSW010000010 / Mass packing code
TSW010 *****1 **Profinet Class A conformance** **Input voltage range: 9 - 30 VDC**	N/A	TSW010000001 / Standard package without PSU
TSW010 *1***0 **Input voltage range: 12-40 VAC (50/60Hz)**	N/A	TSW010010000 / Standard package without PSU TSW010010010 / Mass packing code

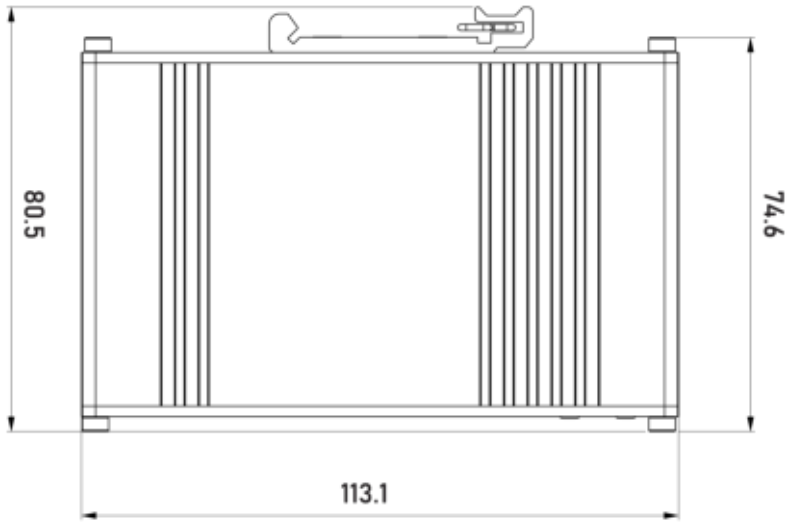
TSW010 spatial measurements

Available versions	
Device housing (W x H x D)*	80.4 x 113.1 x 27.4 mm
Box (W x H x D):	175 x 35 x 150 mm
	*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below

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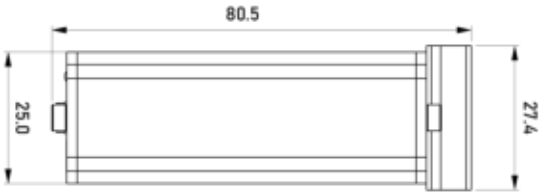
TOP VIEW

The figure below depicts the measurements of device and its components as seen from the top:



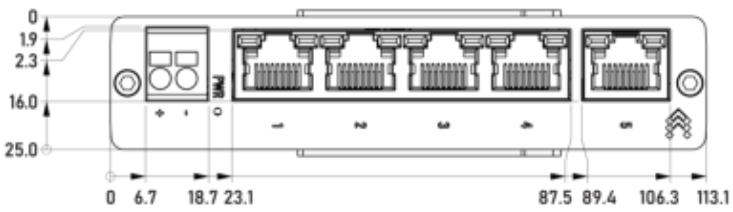
RIGHT VIEW

The figure below depicts the measurements of device and its components as seen from the right:



FRONT VIEW

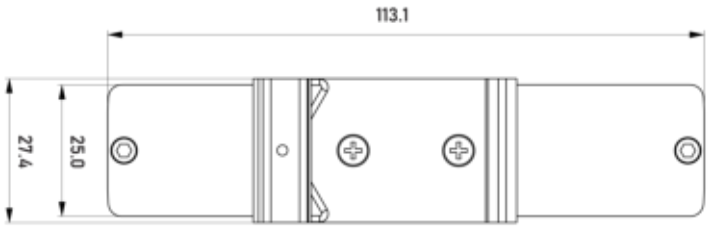
The figure below depicts the measurements of device and its components as seen from the front panel side:



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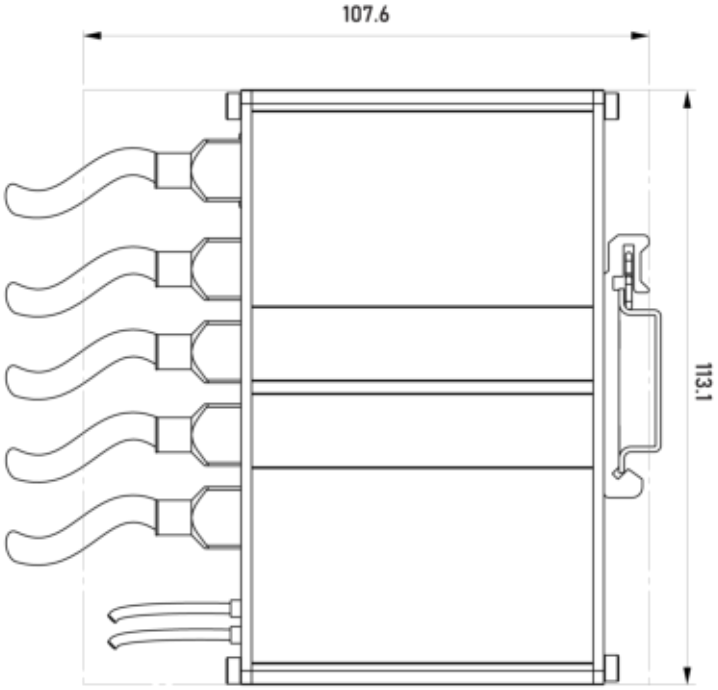
REAR VIEW

The figure below depicts the measurements of device and its components as seen from the back panel side:



MOUNTING SPACE REQUIREMENTS

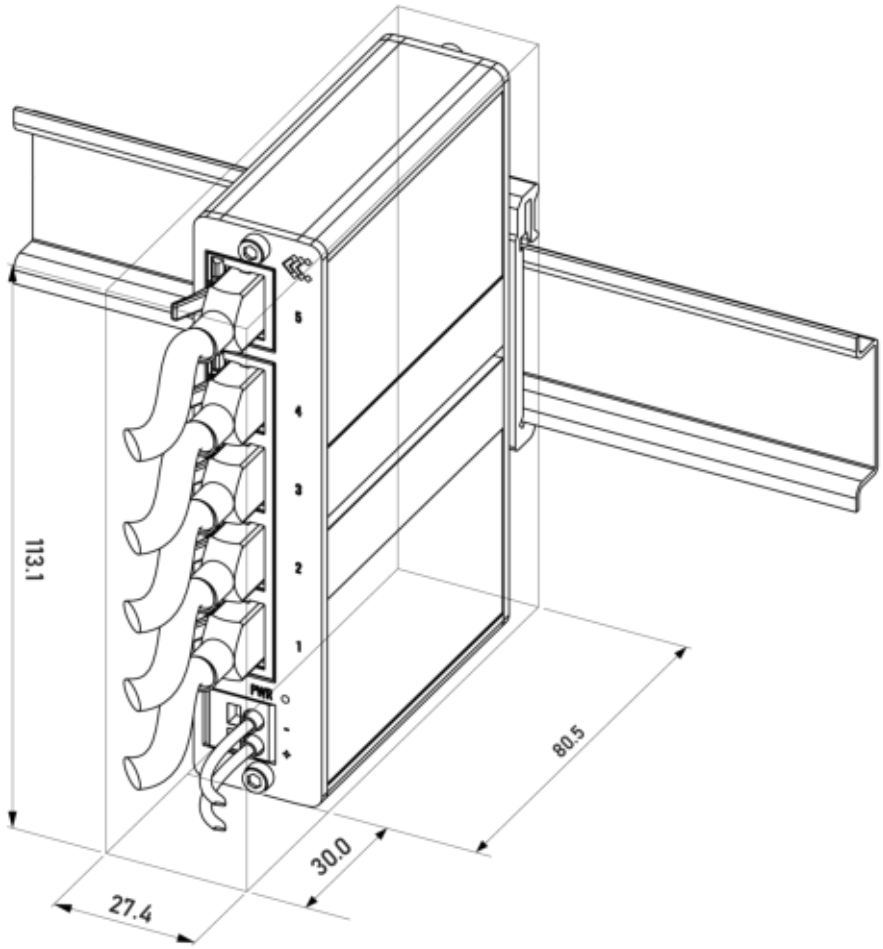
The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:



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DIN RAIL

The scheme below depicts protrusion measurements of an attached DIN Rail:



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