



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

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)
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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, reverse polarity protection, voltage surge/transient protection
Input voltage range*	12-40 VAC (50/60Hz), reverse polarity protection, voltage surge/transient protection
	*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	Anodised aluminium housing and panels
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

Regulatory & Type Approvals

Regulatory	CE, FCC, RCM, UKCA, IC(ISED), EAC, UL/CSA Safety, RoHS, CB Scheme, REACH, CITC, Kenya, SDPPI(Postel), ANRT, MTCTE
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EMC Emissions & Immunity

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

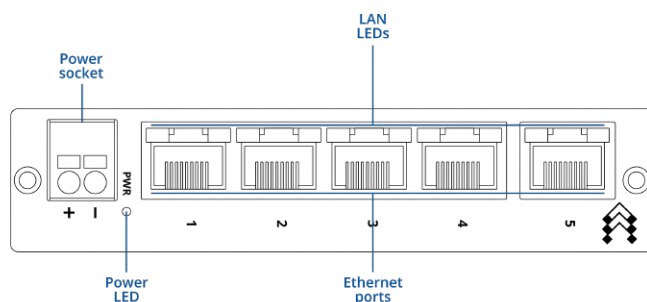
Standards	CE: EN IEC 62368-1:2020 + A11:2020 RCM: AS/NZS 62368.1:2022 CB: IEC 62368-1:2018
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Safety (Ordinary Locations)

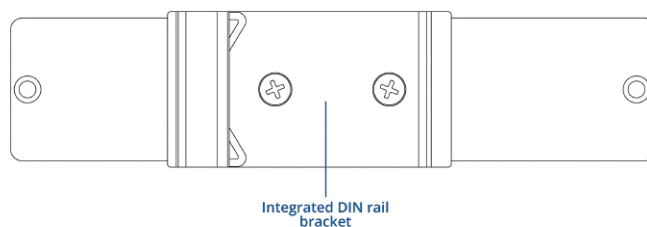
Standards	UL/CSA Safety: UL 62368-1 (3rd Ed., Rev. December 13, 2019), C22.2 No. 62368-1:19 (3rd Ed., Rev. December 13, 2019)
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Hardware

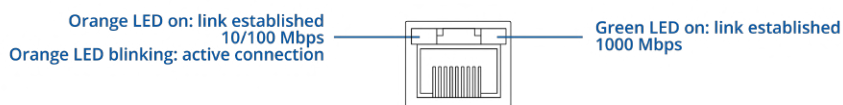
FRONT VIEW



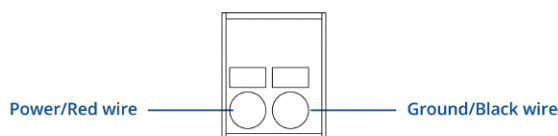
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



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.

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

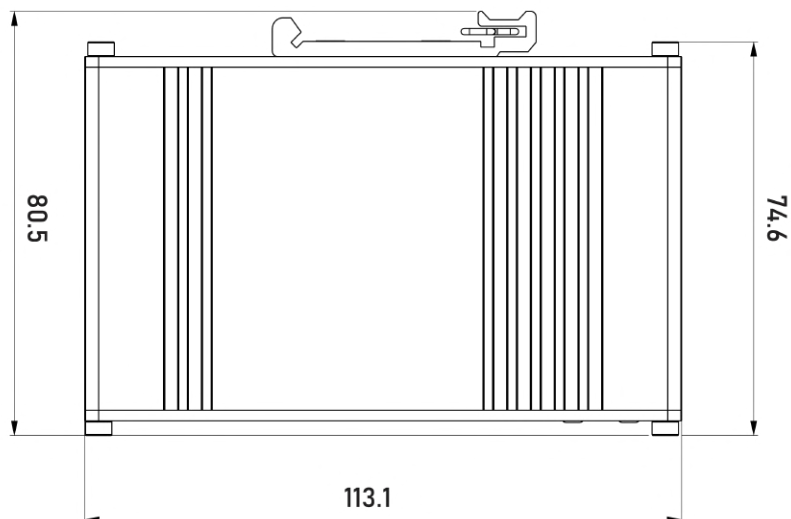
Available versions

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

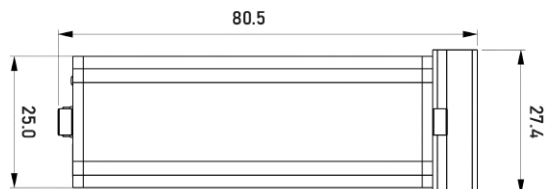
TOP VIEW

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



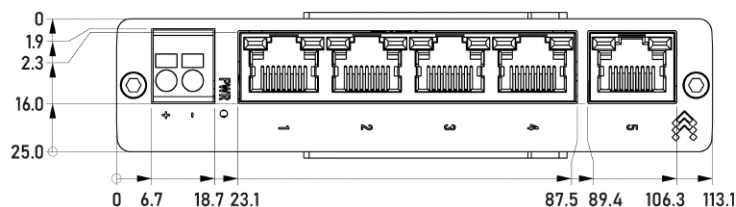
RIGHT VIEW

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



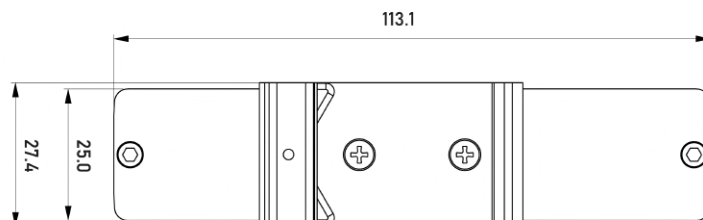
FRONT VIEW

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



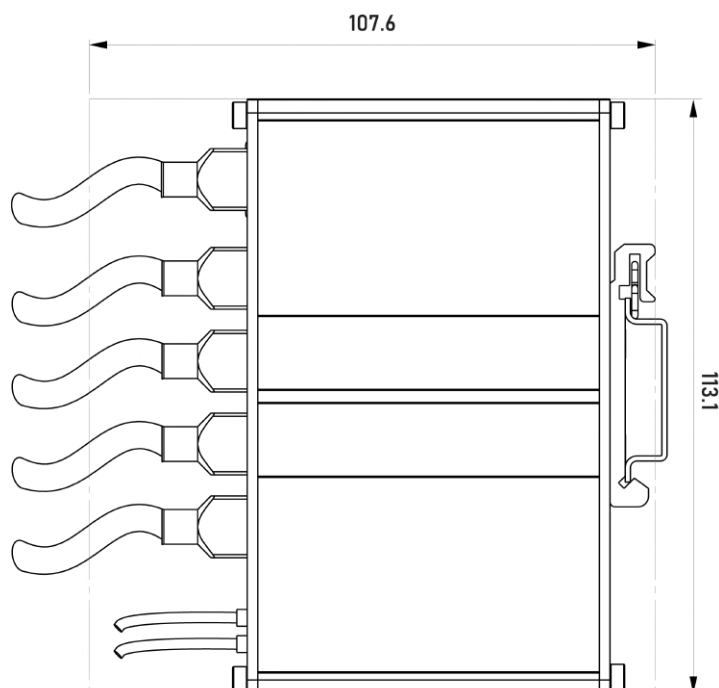
REAR VIEW

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:



DIN RAIL

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

