



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) |
|----------|---|

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 |

Regulatory & Type Approvals

| | |
|------------|--|
| Regulatory | CE, UKCA, EAC, FCC, IC, CB, RCM, CITC, ANRT, SDPPI (POSTEL), Kenya, REACH, RoHS, WEEE, UL Safety |
|------------|--|

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

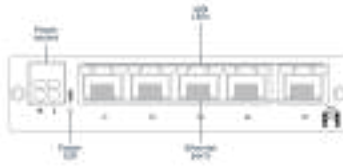
Standards **CE:** EN IEC 62368-1:2020 + A11:2020
 RCM: AS/NZS 62368.1:2022
 CB: IEC 62368-1:2018

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)

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

Available versions

| | | |
|--|-----|---|
| 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

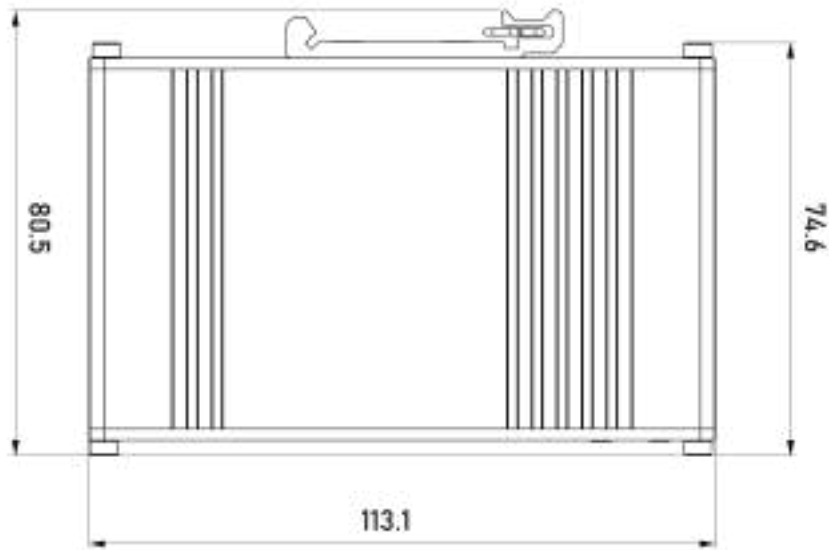
Available versions

| | |
|-----------------------------|------------------------|
| 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

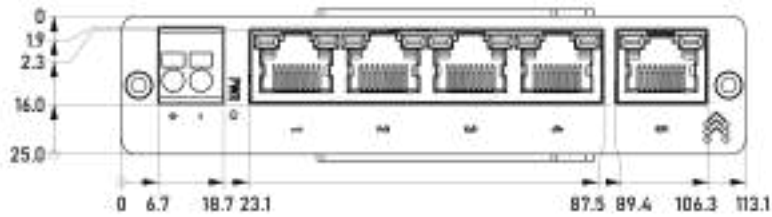
The figure below depicts the measurements of device and its components as seen from the top:


RIGHT VIEW

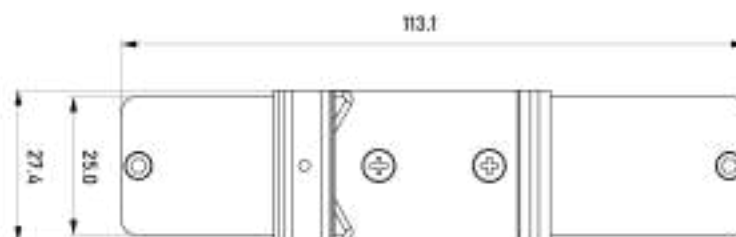
The figure below depicts the measurements of device and its components as seen from the right:


FRONT VIEW

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

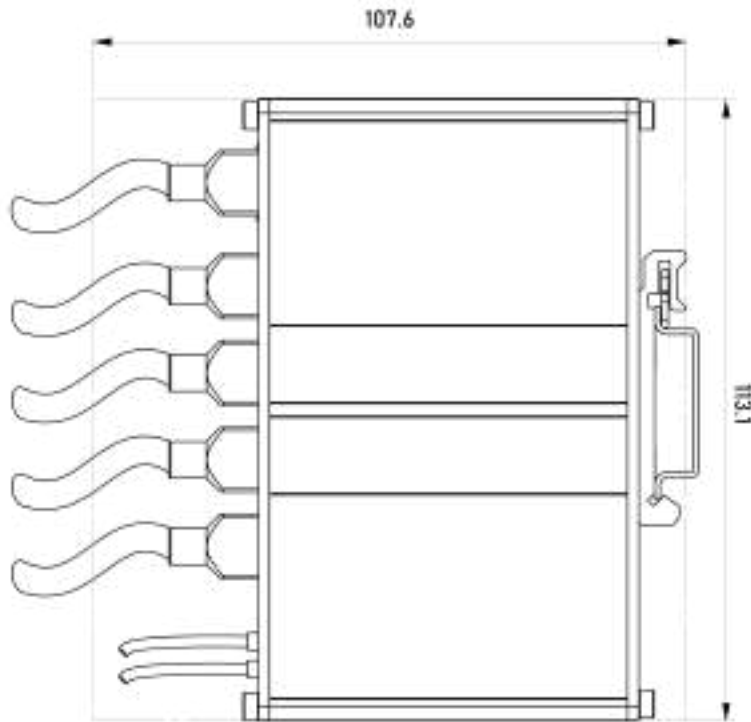

REAR VIEW

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:

