

TSW010

DIN RAIL SWITCH

// TSW010 offers the most affordable way to extend network connectivity to multiple Ethernet devices.

// Five 10/100 Ethernet ports ensure stable and reliable connectivity, sufficient for most industrial applications where high throughput is not required.

// Wide range of supported power supply voltages (9-30 V) and rugged design make it suitable for professional solutions.

// Compact size and integrated DIN rail bracket enable easy installation across different industrial environments.



PLUG-N-PLAY

No additional configuration needed

MOUNTING

Integrated DIN rail bracket and surface mounting options

9-30 V

Wide range of supported power supply voltages

INDUSTRIAL DESIGN

Anodized aluminum housing and panels



KEY FEATURES

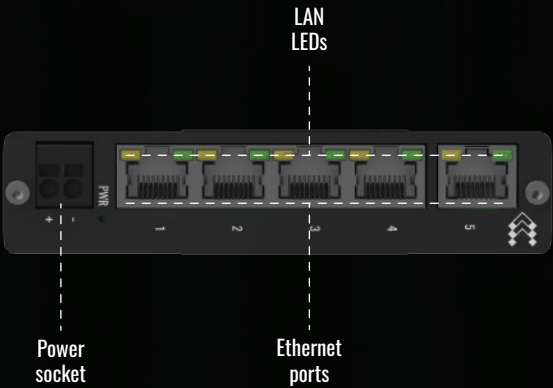
HARDWARE

| | |
|---------------------------|---|
| Power supply | 2-pin industrial DC power socket, 9 - 30 VDC |
| Power consumption | Idle: 0.3 W / Max: 0.9 W |
| Status LEDs | 1 x Power LED, 10 x LAN status LEDs |
| Ethernet | 5 x RJ45 ports, 10/100 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az, IEEE802.3x (Flow control) standards, supports auto MDI/MDIX crossover, Auto-Negotiation function |
| Ingress protection rating | IP30 |
| Operating temperature | -40 °C to 75 °C |
| Housing | Anodized aluminum housing and panels |
| Dimensions | 113.1 x 27.4 x 80.5 mm |
| Weight | 146.5 g |
| Installation | Integrated DIN rail bracket, wall mounting (additional kit needed), flat surface placement |

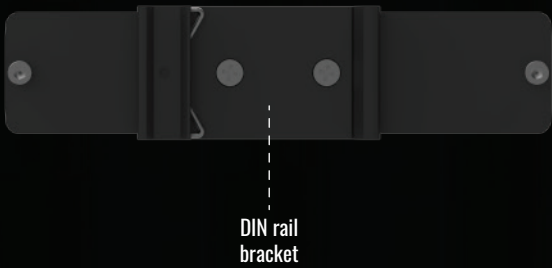
PERFORMANCE SPECIFICATIONS

| | |
|--------------------------|-------------------|
| Bandwidth (Non-blocking) | 1 Gbps |
| MAC address table size | 2K entries |
| Jumbo frame support | 2048 bytes |
| Switch Processing Scheme | Store-and-Forward |

FRONT VIEW



BACK VIEW





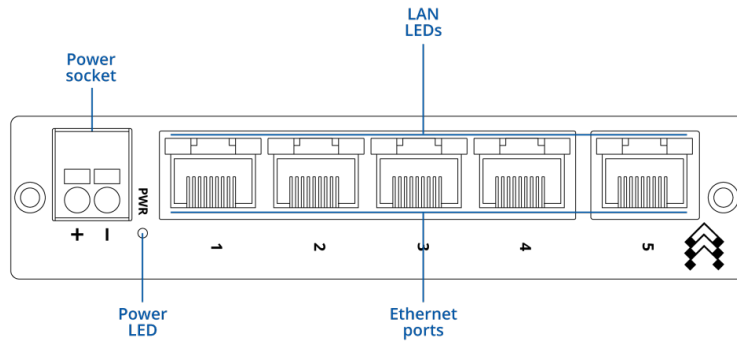
TSW010

v1.1

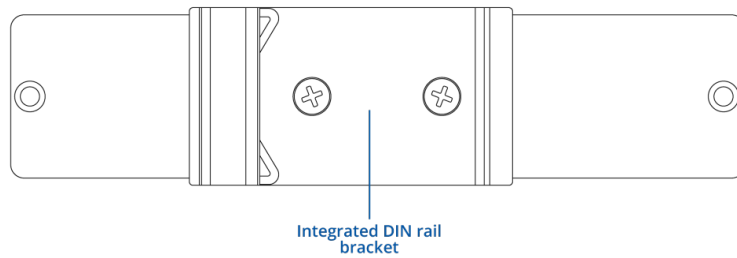


HARDWARE

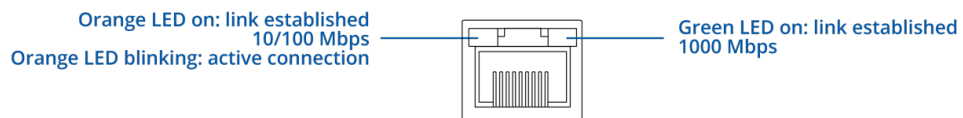
FRONT VIEW



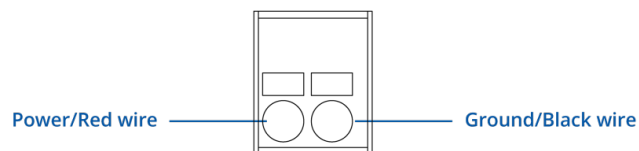
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



FEATURES

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

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

ORDERING

STANDARD PACKAGE*



TSW010



QSG (QUICK START GUIDE)

- TSW010
- QSG (Quick Start Guide)
- Packaging box

*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

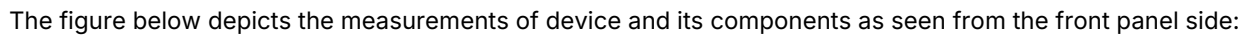
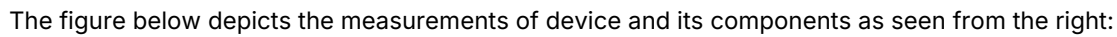
HTS: 8517.62.00

AVAILABLE VERSIONS

| | | |
|------------------------------|-----|---|
| TSW010 *****0 | N/A | TSW010000000 / Standard package TSW010000010 / Mass packing code |
| TSW010 *****1 | N/A | TSW010000001 / Standard package |
| Profinet Class A conformance | | |

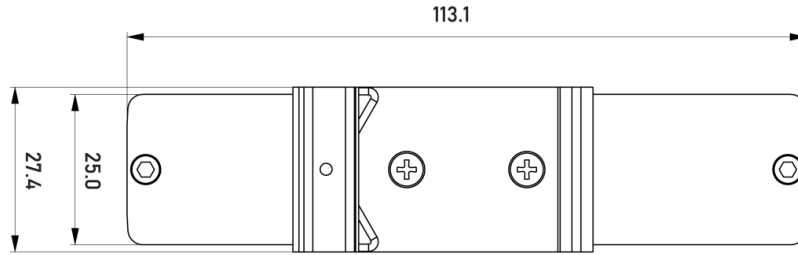
TSW010 SPATIAL MEASUREMENTS

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



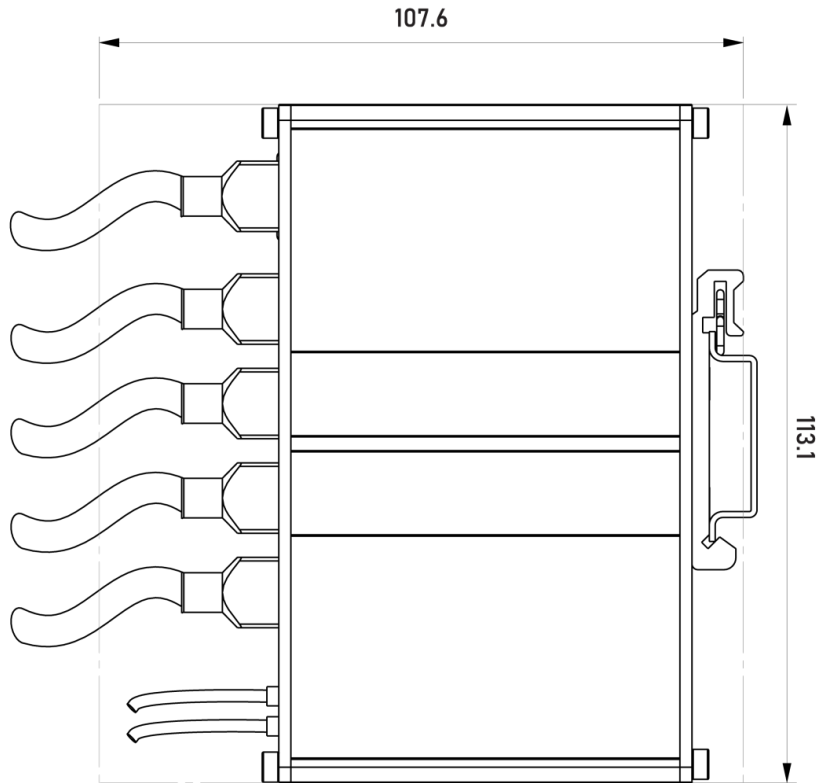
REAR VIEW

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:

