



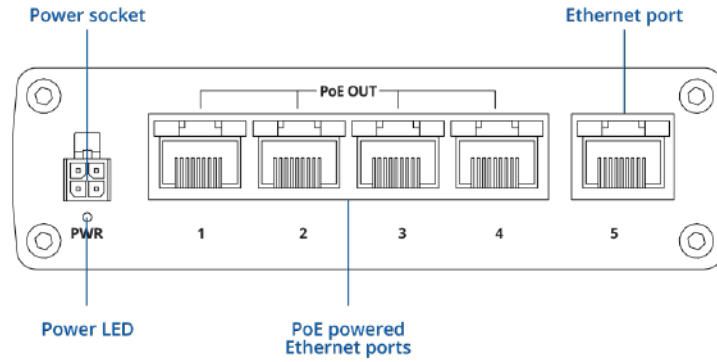
TSW100

v1.1

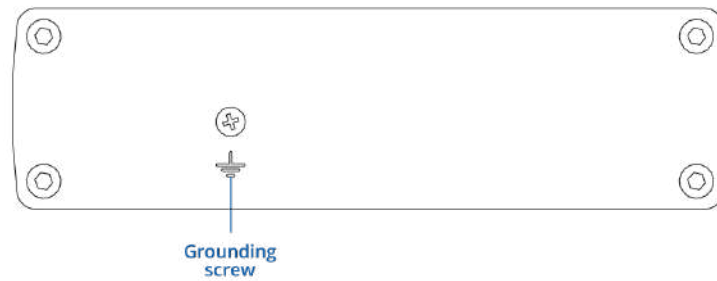


HARDWARE

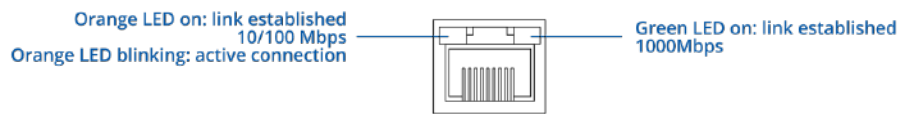
FRONT VIEW



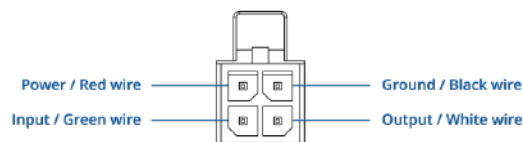
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



FEATURES

Ethernet

| | |
|------------------------------------|---|
| ETH | 5 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover |
| IEEE 802.3 series standards | 802.3i, 802.3u, 802.3ab, 802.3x, 802.3az |

INDUSTRIAL PROTOCOLS

| | |
|-----------------|---|
| Profinet | Profinet Class A conformance (available with optional order code) |
|-----------------|---|

POE OUT

| | |
|--|--|
| PoE ports | Port 1-4 |
| PoE standards | 802.3af and 802.3at Alternative A (Order code: TSW100 *1****) 802.3af and 802.3at Alternative B (Order code: TSW100 *0****) |
| PoE Max Power per Port (at PSE) | 30 W |
| PoE Power Budget (at PSE) | 120 W |

Performance Specifications

| | |
|---------------------------------|------------|
| Bandwidth (Non-blocking) | 10 Gbps |
| Packer buffer | 128 KB |
| MAC address table size | 2K entries |
| Jumbo frame support | 9216 bytes |

Power

| | |
|------------------------------------|--|
| Connector | 4-pin industrial DC power socket |
| Input voltage range | 7 – 57 VDC |
| PoE-out input voltage range | 44 – 57 VDC |
| Power consumption | Idle: 2 W / Max (no PoE): 9 W / PoE Max: 129 W |

Physical Interfaces

| | |
|--------------------|-------------------------------------|
| Ethernet | 5 x RJ45 ports, 10/100/1000 Mbps |
| Status LEDs | 1 x Power LED, 10 x ETH status LEDs |
| Power | 1 x 4-pin power connector |
| Other | 1 x Grounding screw |

Physical Specification

| | |
|-------------------------------|---|
| Casing material | Full aluminum housing |
| Dimensions (W x H x D) | 115 x 32.2 x 101.2 mm |
| Weight | 350 g |
| Mounting options | DIN rail, wall mount, flat surface (all require additional kit) |

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, UCRF, CITC, ANRT, FCC, IC, NOM, Anatel, CB, E-mark |
|-------------------|---|

EMC Emissions & Immunity

| | |
|---|---|
| Standards | EN 55032:2015 EN 55035:2017 EN 301 489-1 V2.2.3 |
| ESD | EN 61000-4-2:2009 |
| Radiated Immunity | EN IEC 61000-4-3:2006 + A1:2008 + A2:2010 |
| EFT | EN 61000-4-4:2012 |
| Surge Immunity (AC Mains Power Port) | EN 61000-4-5:2014 |
| CS | EN 61000-4-6:2014 |
| DIP | EN 61000-4-11:2004 |

Safety

| | |
|------------------|--|
| Standards | IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020 |
|------------------|--|

ORDERING

STANDARD PACKAGE*



- [62 W PSU](#)
- TSW100
- 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

| | | |
|--|-----|--|
| TSW100 *1**** | N/A | TSW100010000 / Standard package with EU PSU TSW100010010 / Standard package with US PSU TSW100010020 / Standard package with AU PSU TSW100010030 / Standard package with UK PSU TSW1000100A0 / Standard package with Power cable with 4-way screw terminal TSW1000100B0 / Mass packing code |
| TSW100 *****1 Profinet Class A conformance | N/A | TSW100010001 / Standard package with EU PSU |

TSW100 SPATIAL MEASUREMENTS

PHYSICAL SPECIFICATION

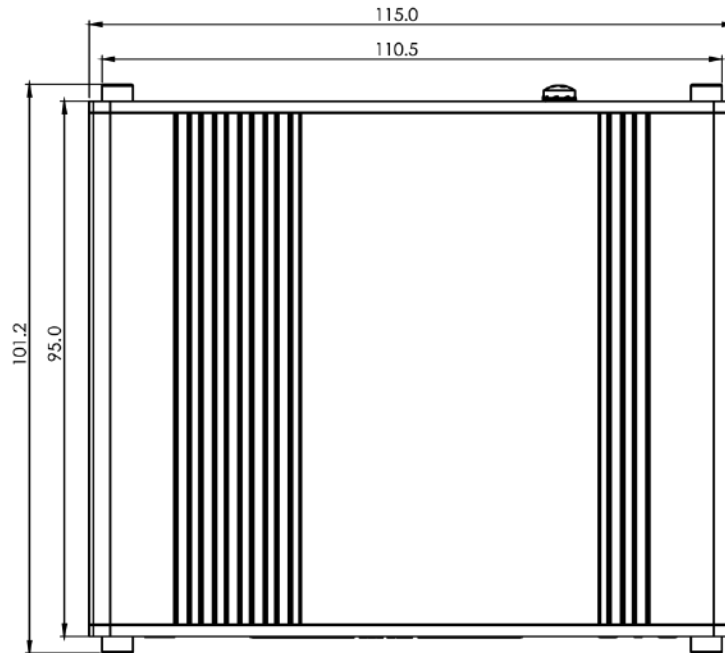
Device housing (W x H x D)* 115 x 32.2 x 101.2 mm

Box (W x H x D): 175 x 35 x 150 mm

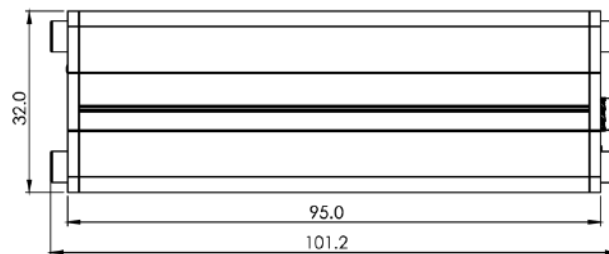
*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below.

TOP VIEW

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

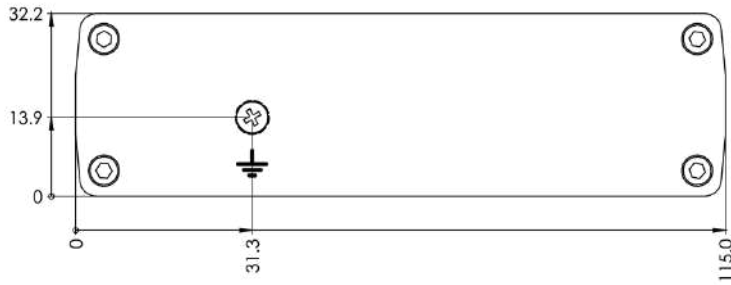

RIGHT VIEW

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



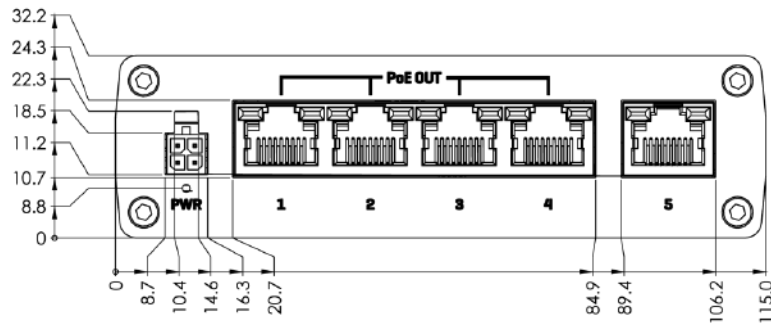
REAR VIEW

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



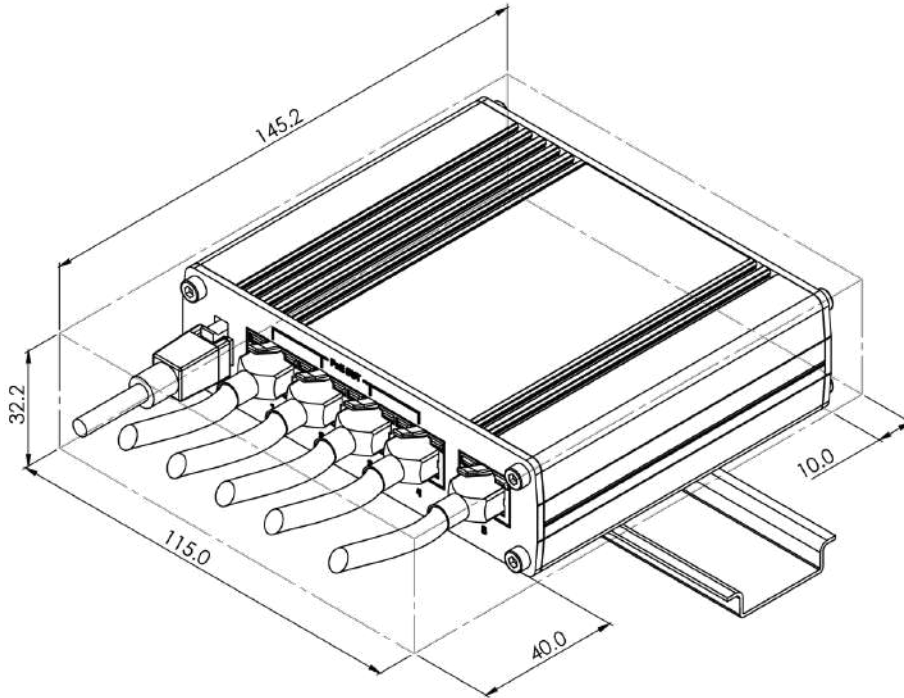
FRONT VIEW

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

