



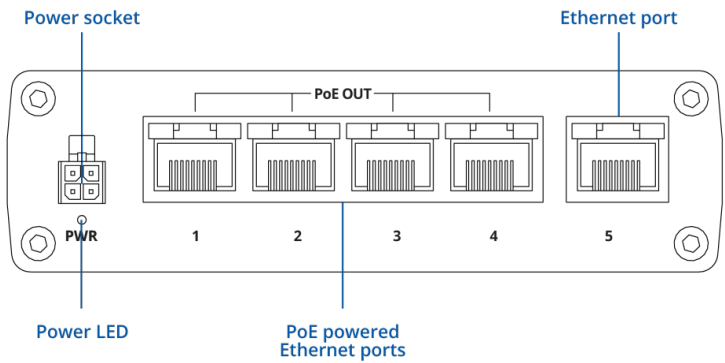
# TSW100

v1.1

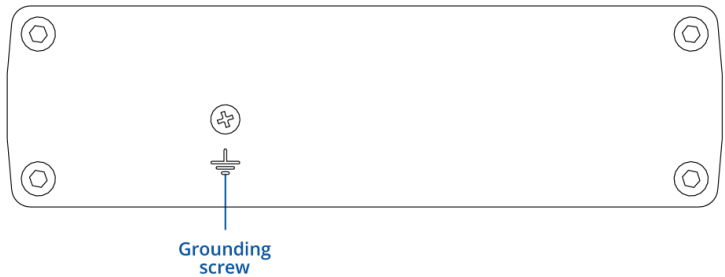


**HARDWARE**

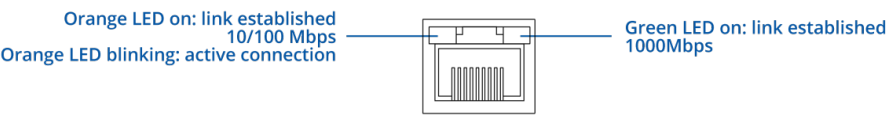
**FRONT VIEW**



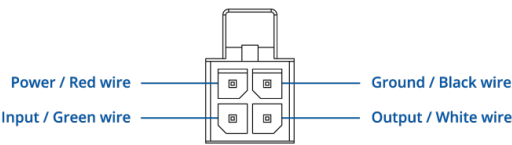
**BACK VIEW**



**RJ45 LED MEANING**



**POWER SOCKET PINOUT**



## FEATURES

### Ethernet

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

### INDUSTRIAL PROTOCOLS

<b>Profinet</b>	Profinet Class A conformance (available with optional order code)
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### POE OUT

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

### Performance Specifications

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

### Power

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

### Physical Interfaces

<b>Ethernet</b>	5 x RJ45 ports, 10/100/1000 Mbps
<b>Status LEDs</b>	1 x Power LED, 10 x ETH status LEDs
<b>Power</b>	1 x 4-pin power connector
<b>Other</b>	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
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### 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
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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

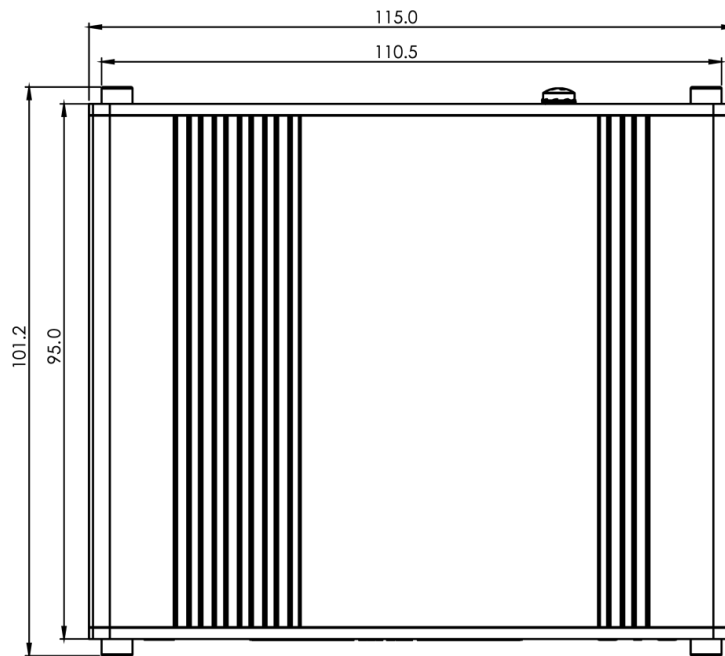
**Device housing (W x H x D)\*** 115 x 32.2 x 101.2 mm

**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.

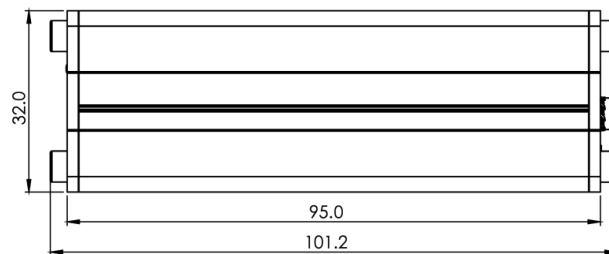
## TOP VIEW

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



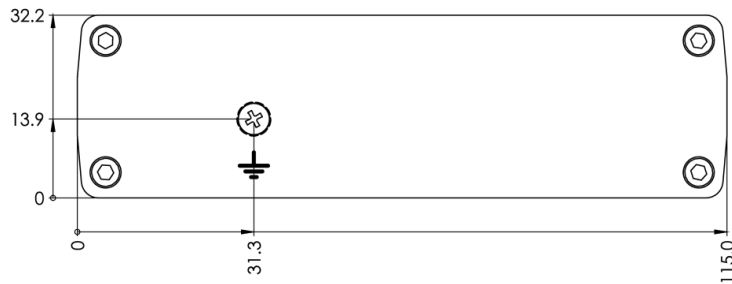
## RIGHT VIEW

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



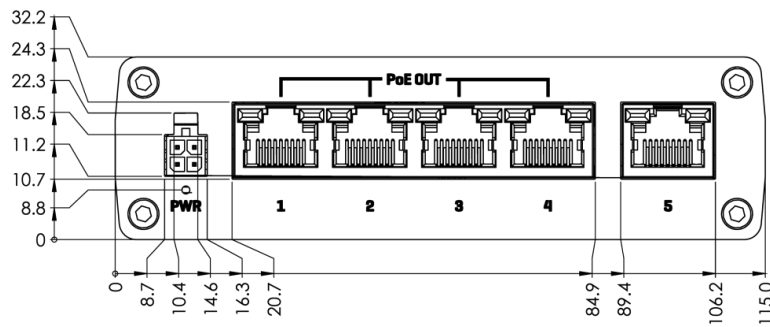
## REAR VIEW

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



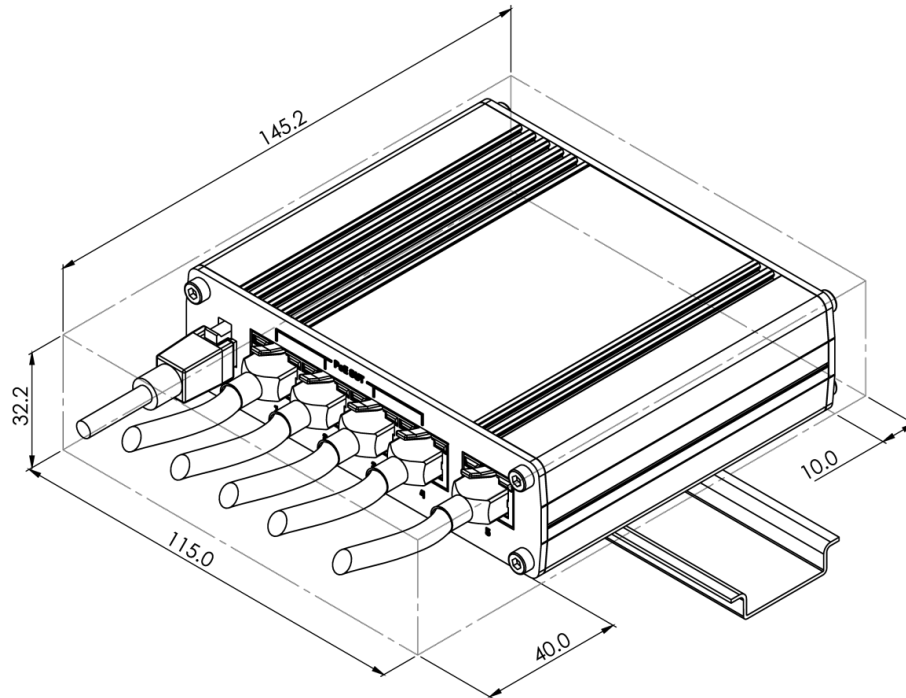
## FRONT VIEW

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



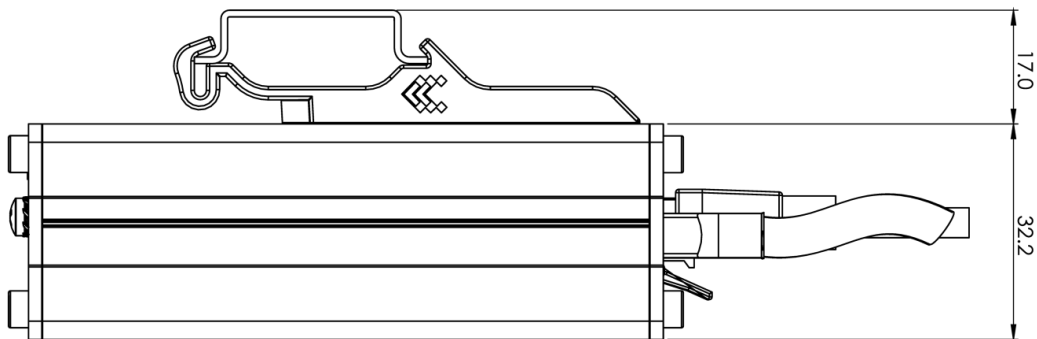
## MOUNTING SPACE REQUIREMENTS

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:





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