TSW110

v1.0

HARDWARE

FRONT VIEW
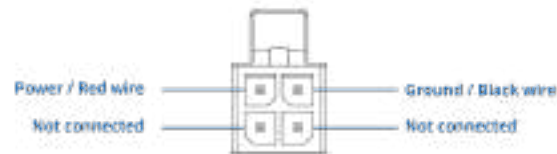
Ethernet LEDs

1   2   3   4   5

Ethernet ports

BACK VIEW

Power socket

PWR

Power LED

Grounding screw

RJ45 LED MEANING

Orange LED on: link established
10/100 Mbps
Orange LED blinking: active connection

Green LED on: link established
1000Mbps

POWER SOCKET PINOUT

Power / Red wire

Ground / Black wire

Not connected

Not connected
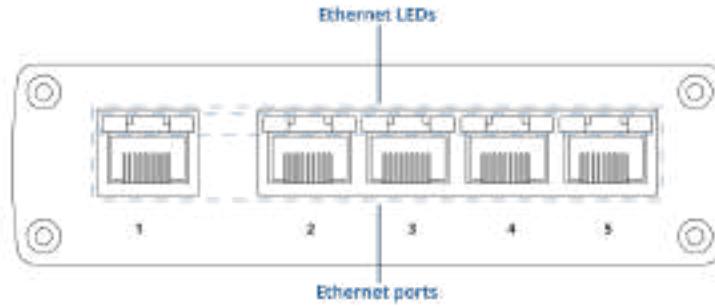
FEATURES

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)

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	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	< 0.4 W/ < 1.8 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)	100 x 30 x 85 mm
Weight	227 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, ANRT, CITC, Kenya, FCC, IC, NOM, RCM, BSMI, CB

EMC Emissions & Immunity

Standards	EN 55032:2015 + A11:2020 EN 61000-3-3:2013 + A1:2019 EN IEC 61000-3-2:2019 EN 55035:2017
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 + A1:2017
CS	EN 61000-4-6:2014
DIP	EN 61000-4-11:2004 + A1:2017

Safety

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

ORDERING

STANDARD PACKAGE*

TSW110	**9W PSU**	**QSG (QUICK START GUIDE)**

- TSW110
- 9 W PSU
- 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

TSW110 *****0	N/A	TSW110000000 / Standard package with EU PSU
		TSW110000010 / Standard package with US PSU
		TSW110000030 / Standard package with UK PSU
		TSW110000020 / Standard package with AU PSU
		TSW110000090 / Standard package with Universal PSU
		TSW110000060 / Mass packing code
TSW110 *****1 **Profinet Class A conformance**	N/A	TSW110000001 / Standard package with EU PSU

TSW110 SPATIAL MEASUREMENTS

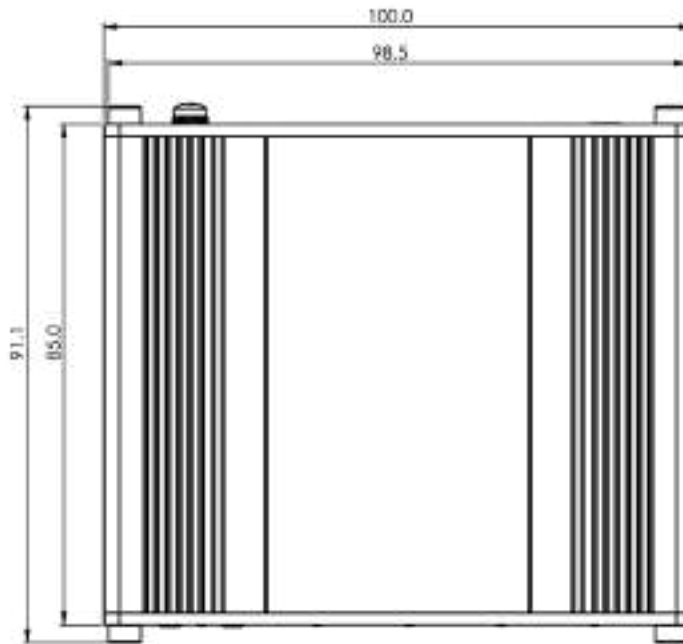## PHYSICAL SPECIFICATION

|	
Device housing*:	100 x 30 x 85 mm
Box:	173 x 71 x 148 mm
	*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below.

TOP VIEW

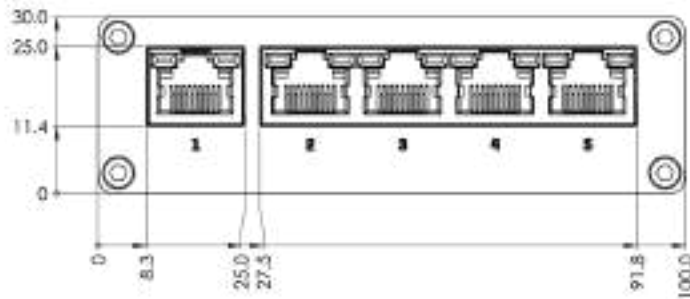The figure below depicts the measurements of TSW110 and its components as seen from the top:

RIGHT VIEW

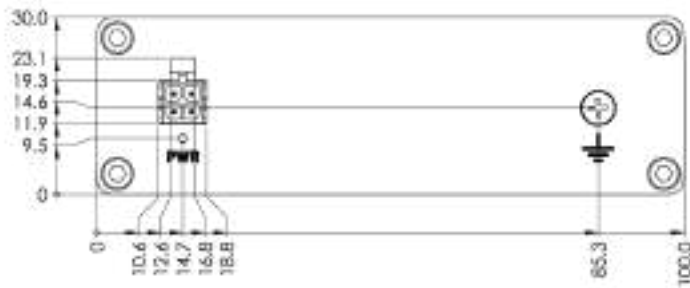The figure below depicts the measurements of TSW110 and its components as seen from the right side:
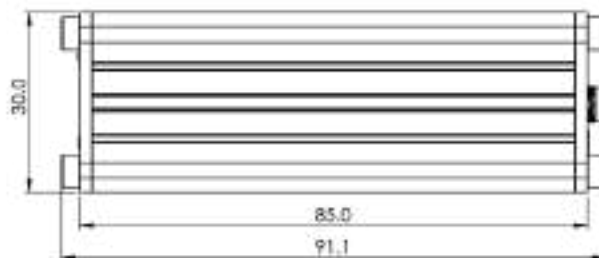
FRONT VIEW

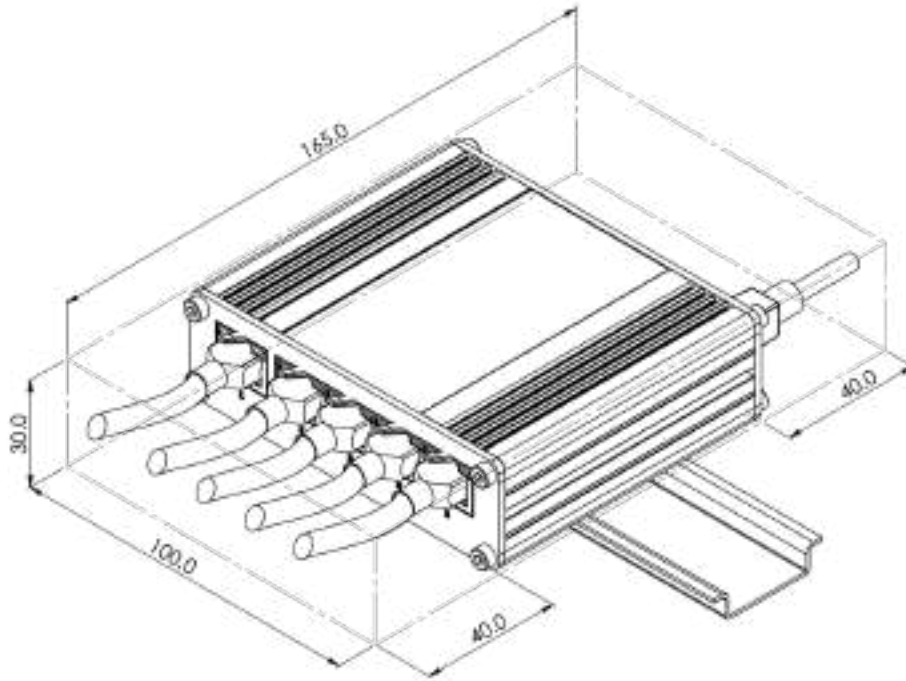The figure below depicts the measurements of TSW110 and its components as seen from the front panel side:

REAR VIEW

The figure below depicts the measurements of TSW110 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: