TELTONIKA | Networks

TSW040

HARDWARE

FRONT VIEW

Power socket

Ethernet LEDs

Grounding screw

Power LED

Ethernet ports

BACK VIEW

Integrated DIN rail bracket
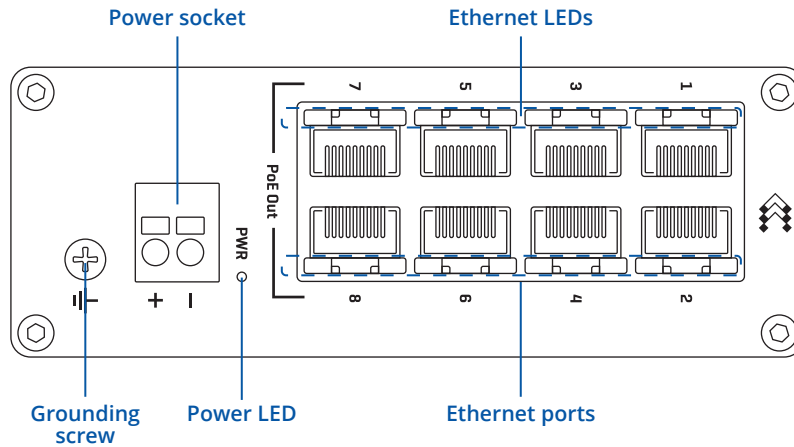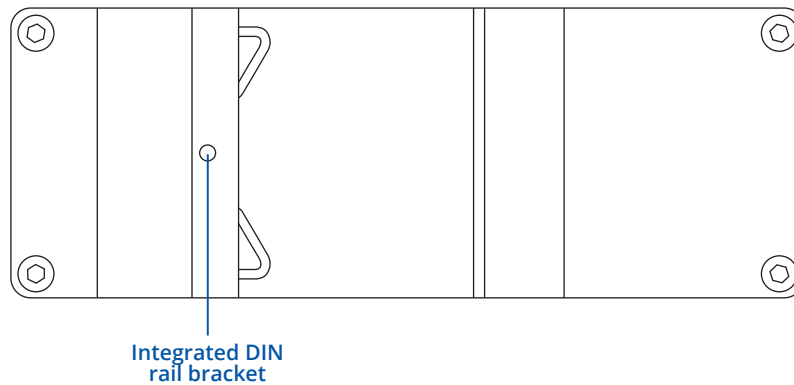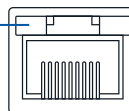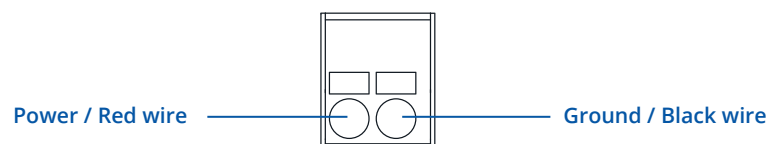
RJ45 LED MEANING

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

POWER SOCKET PINOUT

Power / Red wire

Ground / Black wire

FEATURES

ETHERNET

Ethernet	8 x ETH ports, 10/100 Mbps, supports auto MDI/MDIX crossover
IEEE 802.3 series standards	802.3i, 802.3u, 802.3ab, 802.3x, 802.3az

POE OUT

PoE ports	Port 1 - 8
PoE standards	802.3af and 802.3at compliant PSE ports, over spare pairs - Mode B
PoE Max Power per Port (at PSE)	30 W
Total PoE Power Budget (at PSE)	240 W

PERFORMANCE SPECIFICATIONS

Bandwidth (Non-blocking)	20 Gbps
Packer buffer	128 KB
MAC address table size	2K entries
Jumbo frame support	9216 bytes

POWER

Connector	2-pin industrial DC power socket
Input voltage range	7 – 57 VDC, overvoltage protection: 60Vmax, reverse polarity protection: 80Vmax, surge protection: min 64.4V/max 71.2V breakdown voltage, 93.6V maximum reverse voltage @4.3A maximum reverse surge current, 1- Vin, 2-PGND
PoE-out input voltage range	44 - 57 VDC
Power consumption	Idle: 1 W / Max: 2 W / PoE Max: 246 W

PHYSICAL INTERFACES

Ethernet	8 x RJ45 ports, 10/100 Mbps
Status LEDs	1 x Power LED, 16 x ETH status LEDs
Power	1 x 2-pin industrial DC power socket
Other	1 x Grounding screw

PHYSICAL SPECIFICATION

Casing material	Anodized aluminum housing and panels
Dimensions (W x H x D)	113.1 x 41.2 x 74.6 mm
Weight	280 g
Mounting options	Integrated DIN rail bracket, wall mount, flat surface (additional kit needed)

OPERATING ENVIRONMENT

Operating temperature	-40 °C to 75 °C
Operating humidity	10% to 90% non-condensing
Ingress Protection Rating	IP30

REGULATORY & TYPE APPROVALS

Regulatory	CE, UKCA, RCM, FCC, IC, CB, EAC, UCRF

EMC EMISSIONS & IMMUNITY

EMI IMMUNITY	EN 55032:2015+A11:2020; EN 55035:2017+A11:2020; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021;
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
DIP	EN IEC 61000-4-11:2020

SAFETY

Standards	IEC 62368-1:2018

STANDARD PACKAGE*

- TSW040
- QSG (Quick Start Guide)
- Packaging box

TSW040

QSG

* Standard package contents may differ based on standard order codes.

CLASSIFICATION CODES

HS Code: 851762
HTS: 8517.62.00

For more information on all available packaging options – please contact us directly.

AVAILABLE VERSIONS

HARDWARE VERSION	SUPPORTED FREQUENCIES	STANDARD ORDER CODE / PACKAGE CONTAINS
TSW040 ******	N/A	TSW040000000 / Standard package without PSU

TSW040 SPATIAL MEASUREMENTS

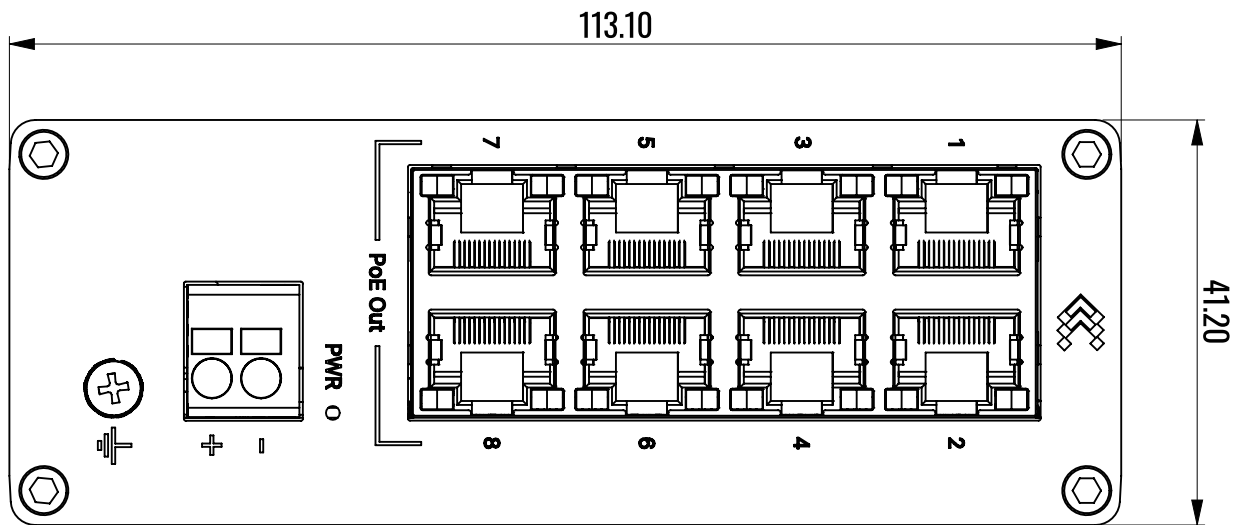## MAIN MEASUREMENTS

W x H x D dimensions for TSW040:

Device housing*:	113.1 x 41.2 x 74.6 mm
Box:	118.5 x 45.7 x 79.5 mm

*Housing measurements are presented without screws; for measurements of other device elements look to the sections below.
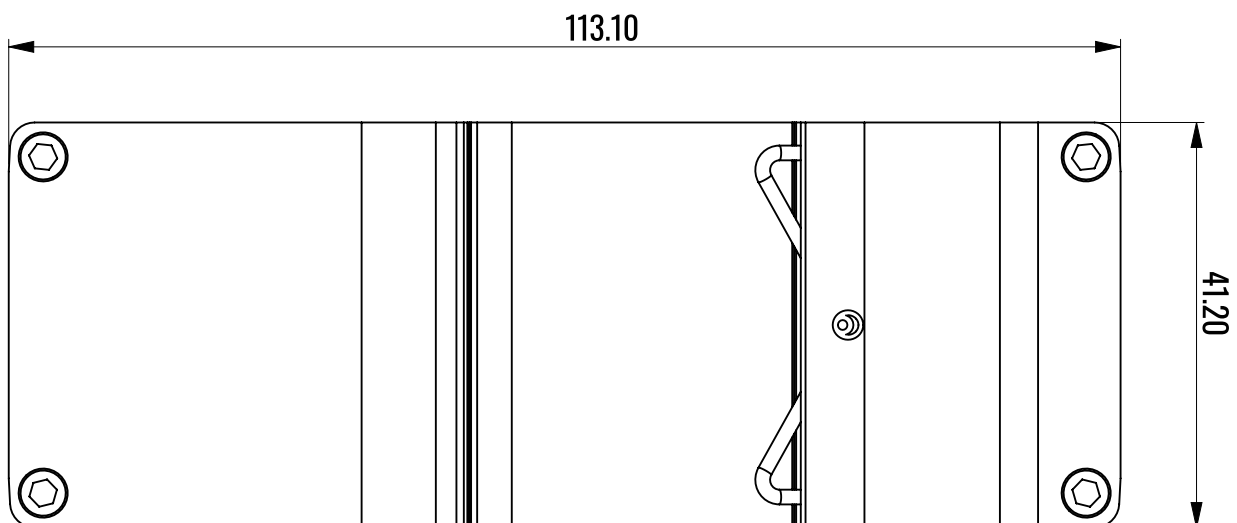
FRONT VIEW

The figure below depicts the measurements of TSW040 and its components as seen from front view:
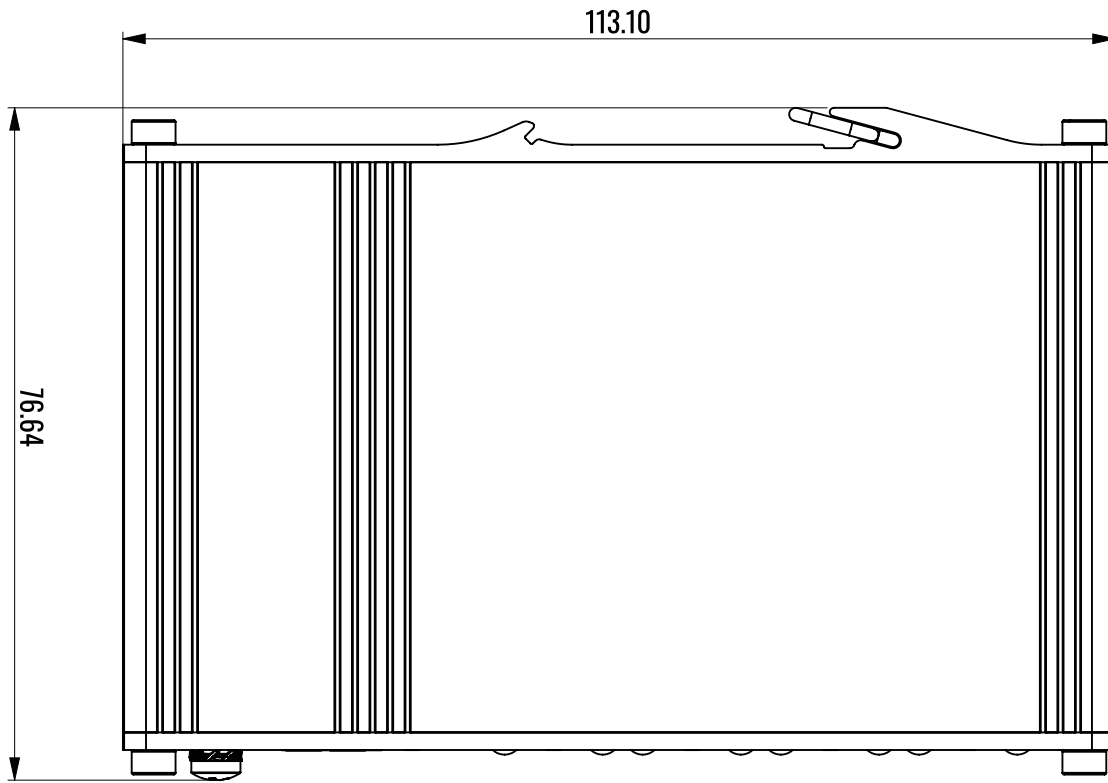

REAR VIEW

The figure below depicts the measurements of TSW040 and its components as seen from the rear view:
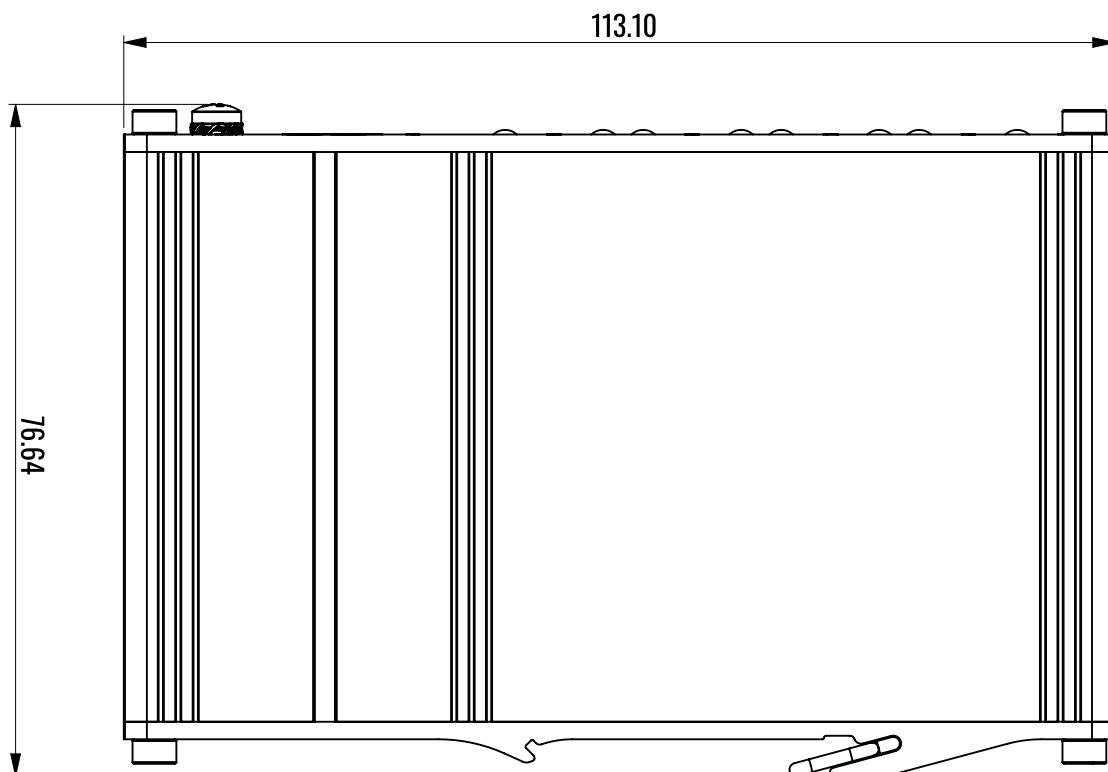
LEFT VIEW

The figure below depicts the measurements of TSW040 and its components as seen from the left panel side:

RIGHT VIEW

The figure below depicts the measurements of TSW040 and its components as seen from the right panel side:

MOUNTING SPACE REQUIREMENTS

The figure below depicts an approximation of the device's dimensions when cables are attached: