



TSW040

8-port PoE+ Switch



Energy & utilities



Enterprise



Industrial & automation



Retail



Smart city

8 X POE-OUT RJ45

Eight PoE-out Ethernet ports with a total power budget of 240 W

2-PIN POWER INPUT

Simple and suitable for industrial applications

INTEGRATED DIN RAIL

Easy mounting for plug-and-play deployment

WIDE VOLTAGE RANGE

7-57 VDC, or 44-57 VDC for PoE-out

INDUSTRIAL PROTOCOLS

Profinet	Profinet Class A conformance (available with optional order code)
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Ethernet

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

PoE+ ports	Port 1 - 8
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PoE standards	IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2) compliant PSE ports, over spare pairs (Mode B)
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PoE Max Power per Port (at PSE)	30 W
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Total PoE Power Budget (at PSE)	240 W
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Power

Connector	2-pin industrial DC power socket
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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
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PoE-Out input voltage range	44 – 57 VDC
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Power consumption	Idle: 1 W / Max: 2 W / PoE Max: 246 W
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Physical Interfaces

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

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

Operating temperature	-40 °C to 75 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP30

Regulatory & Type Approvals

Regulatory	WEEE, CE, FCC, RCM, UKCA, IC(ISED), RoHS, CB Scheme, REACH, Kenya, ANRT, MTCTE
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Performance Specifications

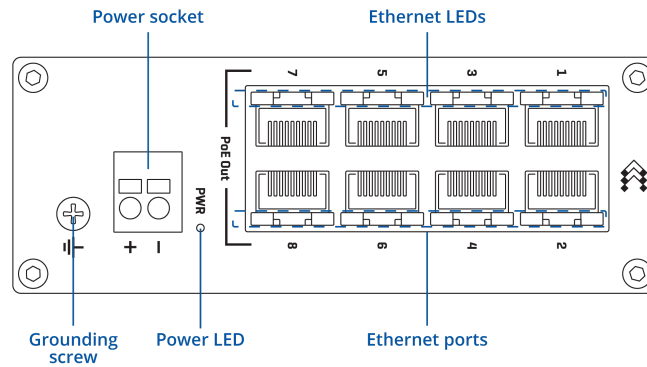
Bandwidth (Non-blocking)	20 Gbps
Packer buffer	128 KB
MAC address table size	2K entries
Jumbo frame support	9216 bytes

Certification

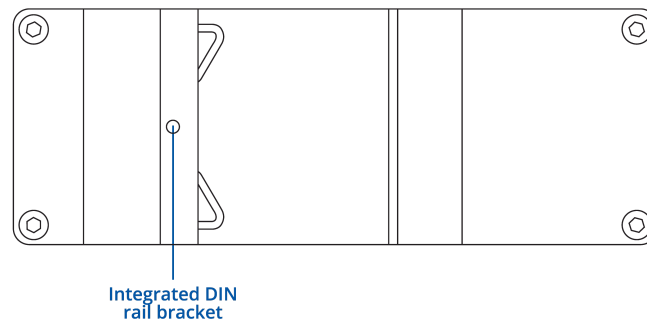
EMEA	TSW040 CE
	TSW040 UKCA
	TSW040 RoHS
	TSW040 REACH
	TSW040 Kenya
	TSW040 ANRT
APAC	TSW040 RCM
	TSW040 MTCTE
AMERICAS	TSW040 FCC
	TSW040 IC(ISED)
MISCELLANEOUS	TSW040 CB Scheme
SAFETY & ENVIROINMENTAL	TSW040 WEEE

Hardware

FRONT VIEW



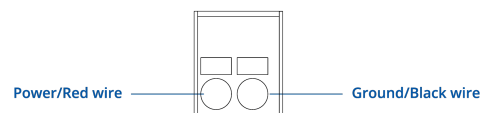
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



Ordering

Standard package*



TSW040



QUICK START GUIDE

*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

For more information on all available packaging options – please [contact us](#) directly.

Available versions

Hardware version	Supported frequencies	Standard order code / Package Contains
TSW040 *****0	N/A	TSW040000000 / Standard package without PSU TSW040000200 / Standard package with US PSU without connector
TSW040 *****1 Profinet Class A conformance	N/A	TSW040000001 / Standard package without PSU

TSW040 spatial measurements

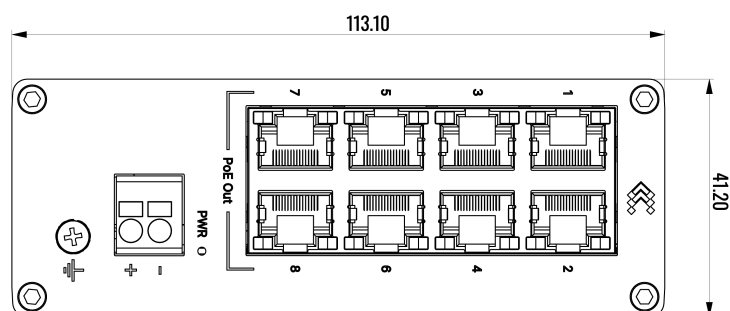
Available versions

Device housing (W x H x D)*	74.6 x 41.2 x 113.1 mm
Box (W x H x D):	79.5 x 45.7 x 118.5 mm

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

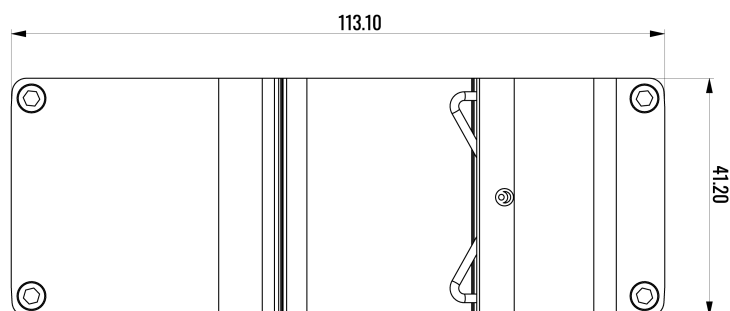
FRONT VIEW

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



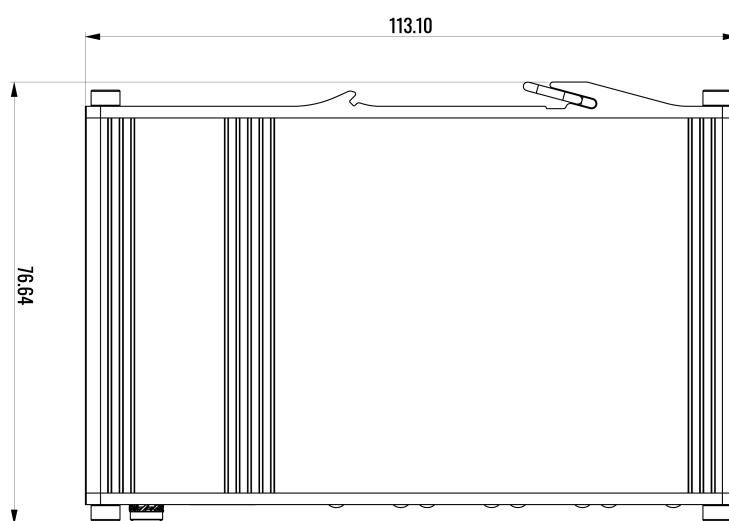
REAR VIEW

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



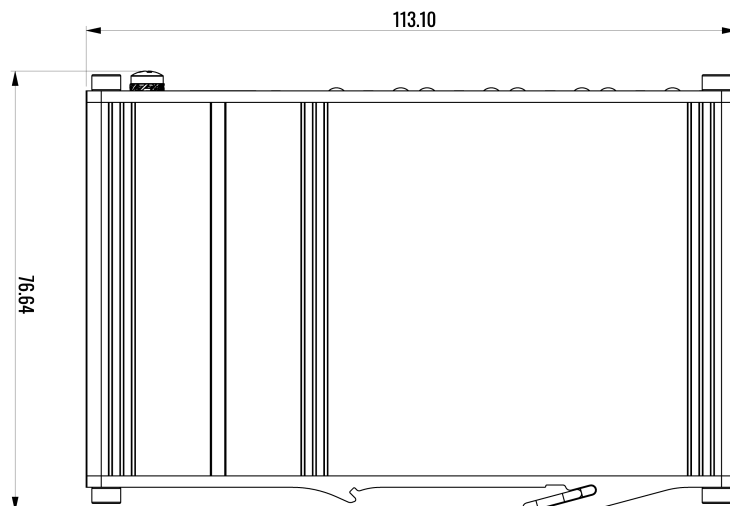
LEFT VIEW

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



RIGHT VIEW

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



MOUNTING SPACE REQUIREMENTS

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

