TSW030

8-port Ethernet Switch



Energy & utilities

Enterprise

Industrial & automation

Retail

Smart city

2-PIN POWER INPUT

Simple and suitable for industrial applications

LOW POWER CONSUMPTION

Up to 0.5 W when idle, up to 1.5 W maximum

INTEGRATED DIN RAIL

Easy mounting for plug-and-play deployment

8 X RJ45 PORTS

Eight 10/100 Mbps Ethernet ports

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INDUSTRIAL PROTOCOLS	
Profinet	Profinet Class A conformance (available with optional order code)

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

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
Power consumption	Idle: 0.5 W / Max: 1.5 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	Anodised aluminium housing and panels
Dimensions (W x H x D)	113.1 x 41.2 x 74.6 mm
Weight	256 g
Mounting options	Integrated DIN rail bracket; wall mount and flat surface (additional kit needed)

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

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

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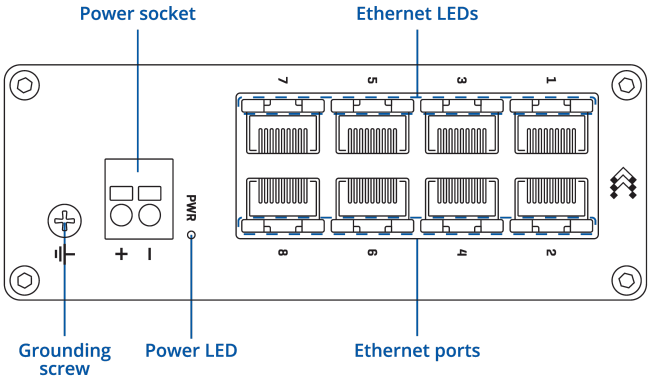
Certification

EMEA	TSW030 CE TSW030 UKCA TSW030 RoHS TSW030 REACH TSW030 ANRT
APAC	TSW030 RCM TSW030 MTCTE
AMERICAS	TSW030 FCC TSW030 IC(ISED) TSW030 UL/CSA Safety TSW030 NOM
MISCELLANEOUS	TSW030 UN ECE R10 TSW030 UN ECE R118 TSW030 CB Scheme
SAFETY & ENVIROINMENTAL	TSW030 WEEE

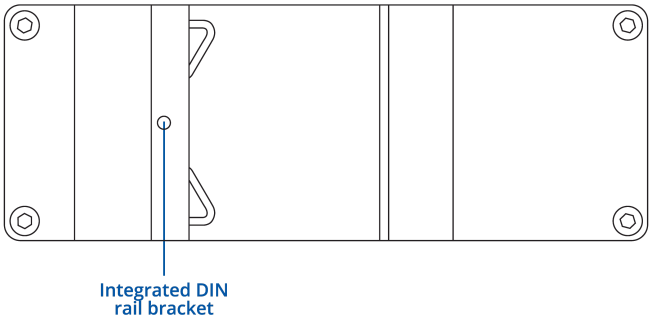
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Hardware

FRONT VIEW



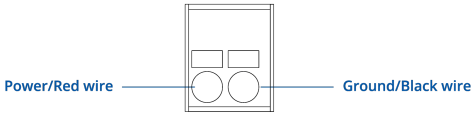
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



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Ordering

Standard package*



TSW030



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.

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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
TSW030 *****0	N/A	TSW030000000 / Standard package without PSU
TSW030 *****1 **Profinet Class A conformance**	N/A	TSW030000001 / Standard package without PSU

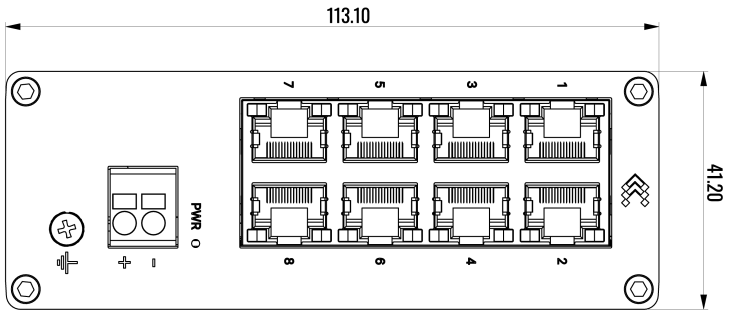
TSW030 spatial measurements

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 × 45.7 × 118.5 mm
	*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below

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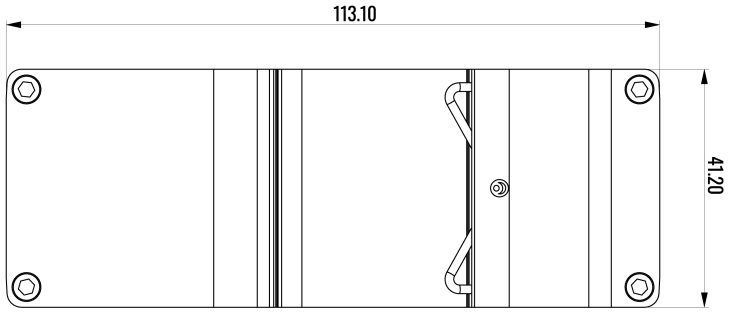
FRONT VIEW

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



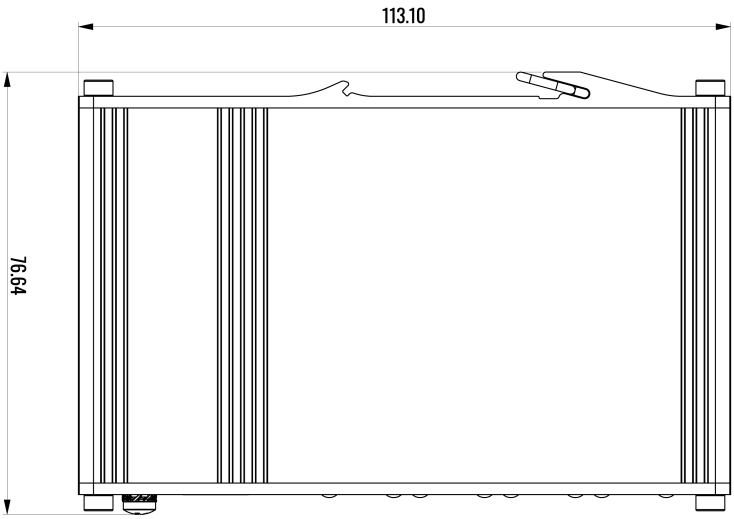
REAR VIEW

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



LEFT VIEW

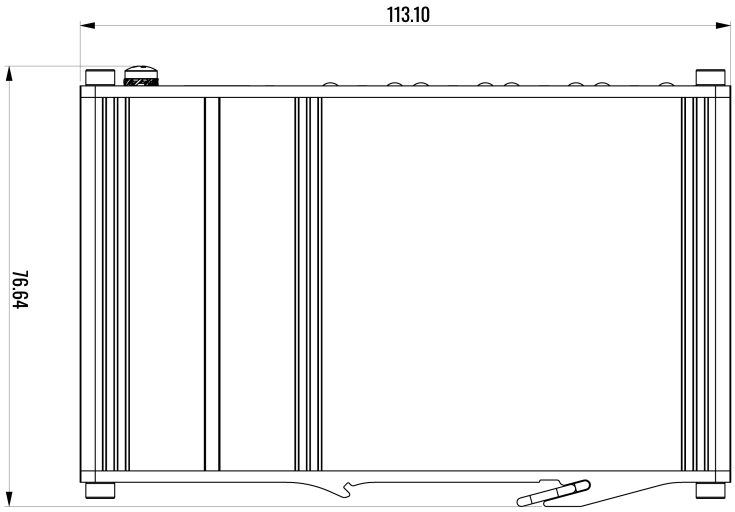
The figure below depicts the measurements of device and its components as seen from the left:



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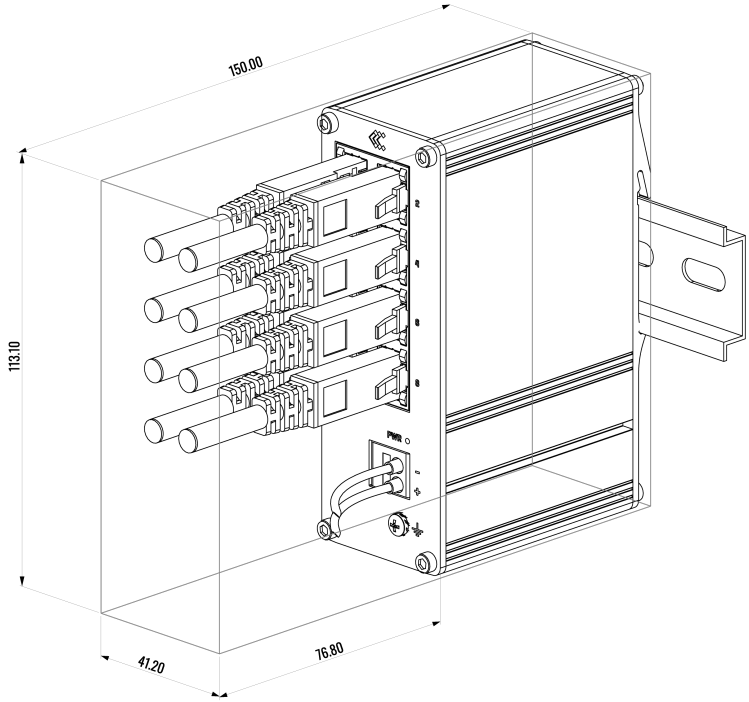
RIGHT VIEW

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:



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