



TSW010

DIN RAIL ETHERNET SWITCH



Energy &
utilities



Enterprise



Industrial &
automation



Retail



Smart city

PLUG AND PLAY

No additional configuration needed

MOUNTING

Integrated DIN rail bracket and surface mounting options

INDUSTRIAL DESIGN

Anodized aluminum housing and panels

ETHERNET

5 x Ethernet ports with speeds of up to 100 Mbps

INDUSTRIAL PROTOCOLS

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

Ethernet

ETH	5 x ETH port, 10/100 Mbps, supports auto MDI/MDIX crossover
-----	---

IEEE 802.3 series standards	802.3i, 802.3u, 802.3x, 802.3az
-----------------------------	---------------------------------

Power

Connector	2-pin industrial DC power socket
-----------	----------------------------------

Input voltage range	9 – 30 VDC, reverse polarity protection, voltage surge/transient protection
---------------------	---

Input voltage range*	12-40 VAC (50/60Hz), reverse polarity protection, voltage surge/transient protection
----------------------	--

*Feature availability varies by order code

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	Idle: 0.3 W / Max: 0.9 W
-------------------	--------------------------

Physical Interfaces

Ethernet	5 x RJ45 ports, 10/100 Mbps
----------	-----------------------------

Status LEDs	1 x Power LED, 10 x ETH status LEDs
-------------	-------------------------------------

Power	1 x 2-pin industrial DC power socket
-------	--------------------------------------

Physical Specification

Casing material	Anodised aluminium housing and panels
-----------------	---------------------------------------

Dimensions (W x H x D)	113.1 x 27.4 x 80.5 mm
------------------------	------------------------

Weight	146.5 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)	1 Gbps
--------------------------	--------

MAC address table size	2K entries
------------------------	------------

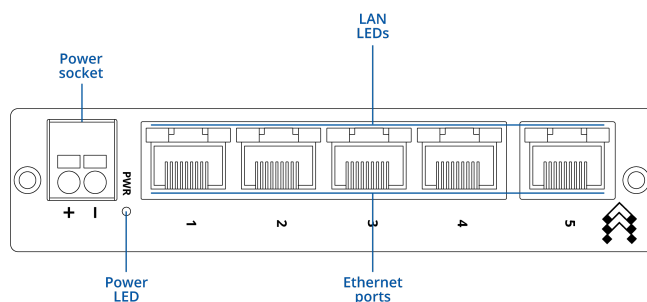
Jumbo frame support	2048 bytes
---------------------	------------

Certification

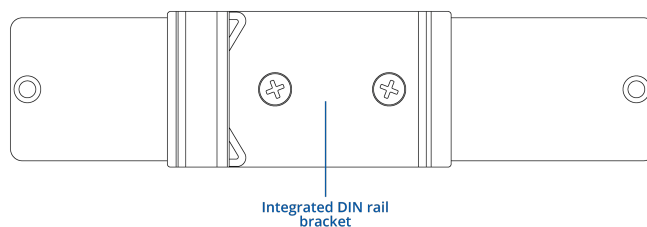
EMEA	TSW010 CE
	TSW010 UKCA
	TSW010 EAC
	TSW010 RoHS
	TSW010 REACH
	TSW010 CITC
	TSW010 Kenya
	TSW010 ANRT
APAC	TSW010 RCM
	TSW010 SDPPI (POSTEL)
	TSW010 MTCTE
AMERICAS	TSW010 FCC
	TSW010 IC(ISED)
	TSW010 UL/CSA Safety
MISCELLANEOUS	TSW010 CB Scheme
SAFETY & ENVIROINMENTAL	TSW010 WEEE

Hardware

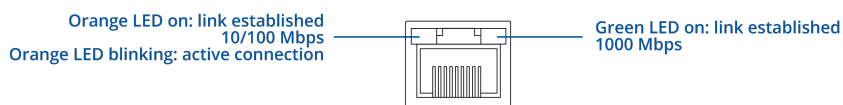
FRONT VIEW



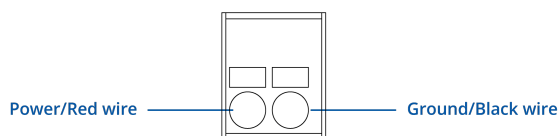
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



Ordering

Standard package*



TSW010



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
TSW010 *****0 Input voltage range: 9 - 30 VDC	N/A	TSW010000000 / Standard package without PSU TSW010000010 / Mass packing code
TSW010 *****1 Profinet Class A conformance Input voltage range: 9 - 30 VDC	N/A	TSW010000001 / Standard package without PSU
TSW010 *1***0 Input voltage range: 9 – 30 VDC, 12-40 VAC (50/60Hz)	N/A	TSW010010000 / Standard package without PSU TSW010010010 / Mass packing code

TSW010 spatial measurements

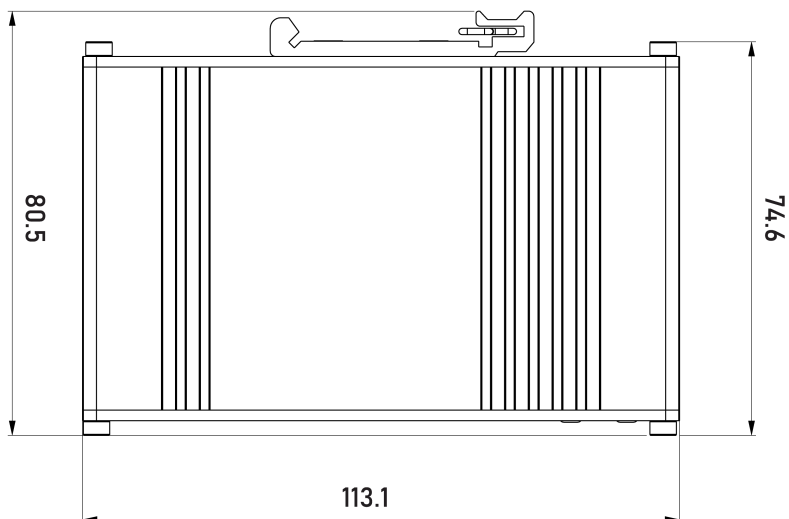
Available versions

Device housing (W x H x D)*	80.4 x 113.1 x 27.4 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

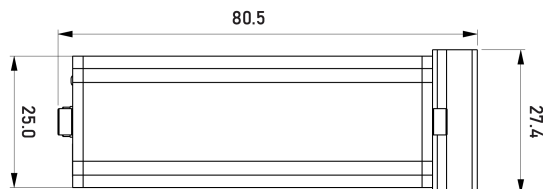
TOP VIEW

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



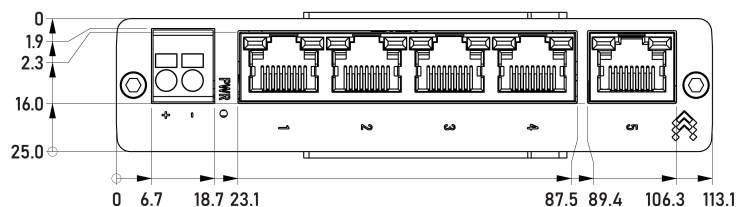
RIGHT VIEW

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



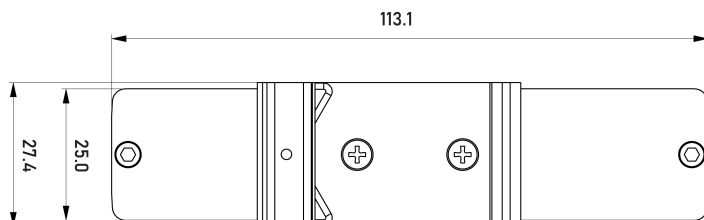
FRONT VIEW

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



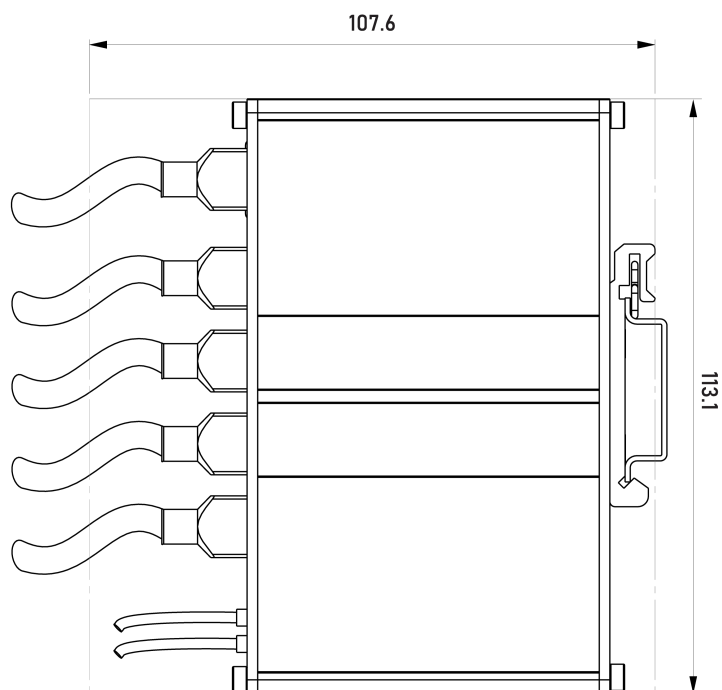
REAR VIEW

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



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:

