TSW210

INDUSTRIAL ETHERNET SWITCH

Energy & utilities

Enterprise

Industrial & automation

Retail

Smart city

ETHERNET

8 x Gigabit Ethernet ports with speeds of up to 1000 Mbps

PLUG AND PLAY

No additional configuration needed

MOUNTING

DIN rail and surface mounting options

SFP

2 x SFP ports for long-range fiber-optic communication

Ethernet	
ETH	8 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover
Fibre	2 x SFP ports
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)	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
Power consumption	Idle: ~1.03 W / Max: 3.71 W
	Surge at AC mains power port**: 1kV Line to line; 2kV line to ground, 1.2/50us, IEC 61000-4-5 Surge at signal port (Ethernet): 1kV Line to Ground, 1.2/50us, IEC 61000-4-5
	**Tested with Teltonika's PSU. Test does not apply to direct DC power.

Physical Interfaces	
Ethernet	8 x RJ45 ports, 10/100/1000 Mbps
Fibre	2 x SFP ports
Status LEDs	1 x Power LED, 16 x ETH status LEDs 2 x SFP status LEDs
Power	1 x 2-pin industrial DC power socket
Other	1 x Grounding screw

Physical Specification	
Casing material	Full aluminium housing
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	500 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	10% to 90% non-condensing
Ingress Protection Rating	IP30

Regulatory & Type Approvals	
Regulatory	CE, UKCA, CITC, ANRT, FCC, IC, RCM, CB, EAC, Kenya, NOM, UL/CSA, Japan, SDPPI (POSTEL), MTCTE

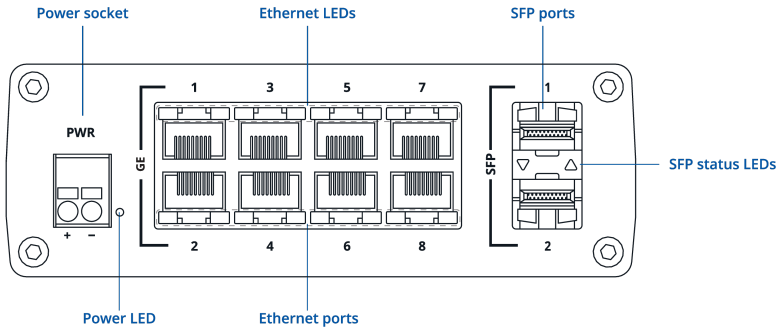
EMC Emissions & Immunity	
Standards	EN 55032:2015 + A1:2020 EN 55035:2017 + A11:2020 EN IEC 61000-3-2:2019 + A1:2021 EN 61000-3-3:2013 + A1:2019
ESD	EN 61000-4-2:2009
EFT	EN 61000-4-4:2012
Surge Immunity (AC Mains Power Port)	EN 61000-4-5:2014 + A1:2017
CS	EN 61000-4-6:2014
DIP	EN IEC 61000-4-11:2020

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

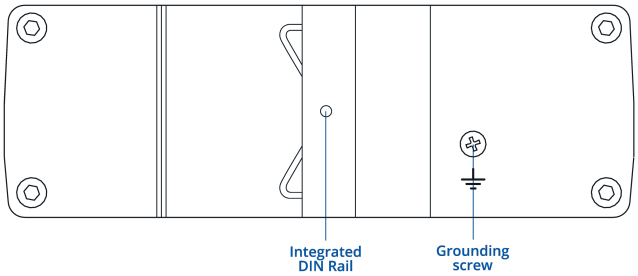
Safety (Hazardous Locations)	
Standards	UL 62368-1 CAN/CSA C22.2 No. 62368-1-19

Hardware

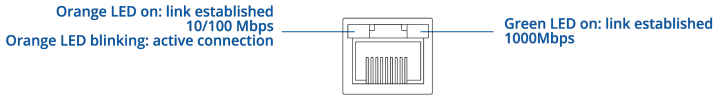
FRONT VIEW



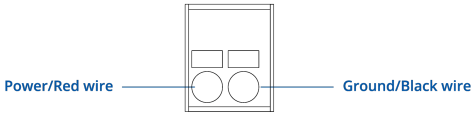
BACK VIEW



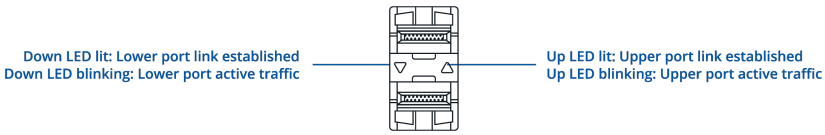
RJ45 LED MEANING



POWER SOCKET PINOUT



SFP LED MEANING



Ordering

Standard package*

TSW210

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

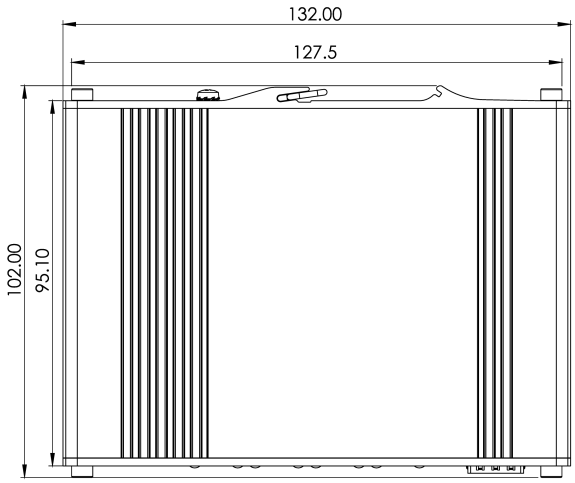
Hardware version	Supported frequencies	Standard order code / Package Contains
TSW210 *****0	N/A	TSW210000040 / Standard package withouth PSU
TSW210 *****1 **Profinet Class A conformance**	N/A	TSW210000011 / Standard package without PSU

TSW210 spatial measurements

Available versions	
Device housing (W x H x D)	132 x 44.2 x 95.1 mm
Box:	135 x 47 x 107 mm
	*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below

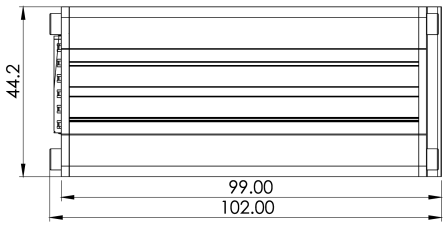
TOP VIEW

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



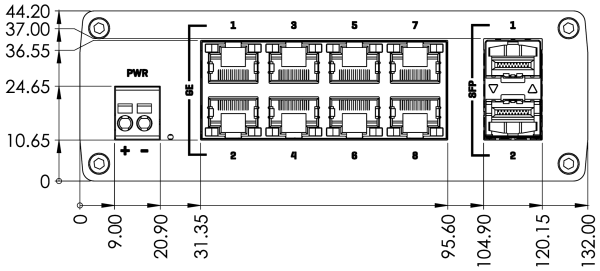
RIGHT VIEW

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



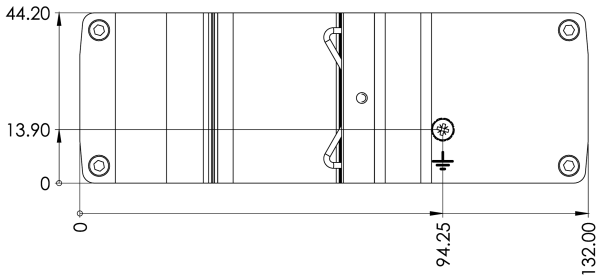
FRONT VIEW

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



BACK 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: