



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)
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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

Power

Connector	2-pin industrial DC power socket
Input voltage range	7 – 57 VDC, reverse polarity protection: -80Vmax
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
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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

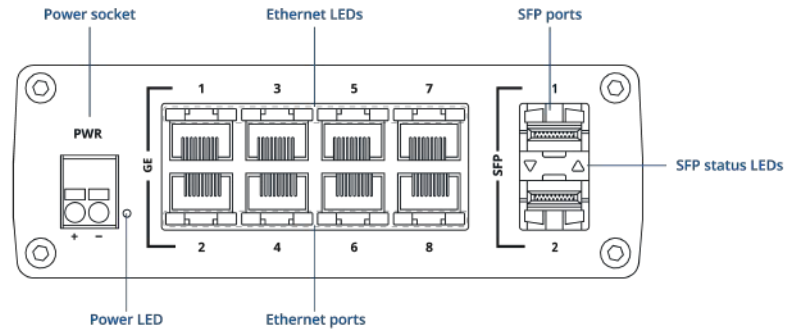
Standards	IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020
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Safety (Hazardous Locations)

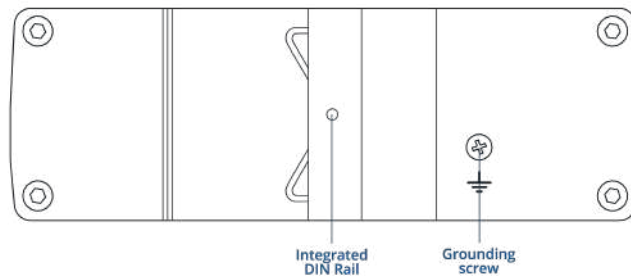
Standards	UL 62368-1 CAN/CSA C22.2 No. 62368-1-19
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Hardware

FRONT VIEW



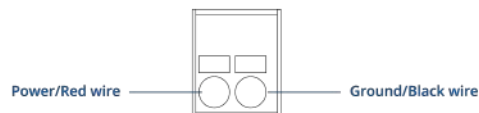
BACK VIEW



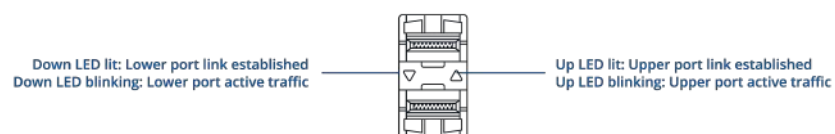
RJ45 LED MEANING



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 without PSU
TSW210 *****1 Profinet Class A conformance	N/A	TSW210000011 / Standard package without PSU

TSW210 spatial measurements

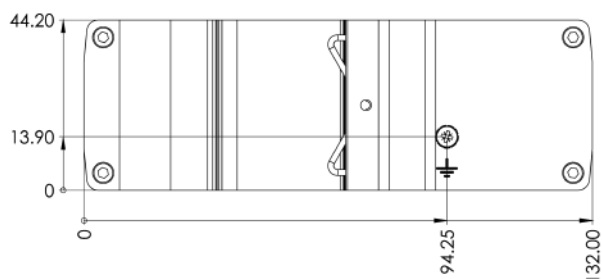
Available versions

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

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:

