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

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

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

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	Anodised aluminium housing and panels
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

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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

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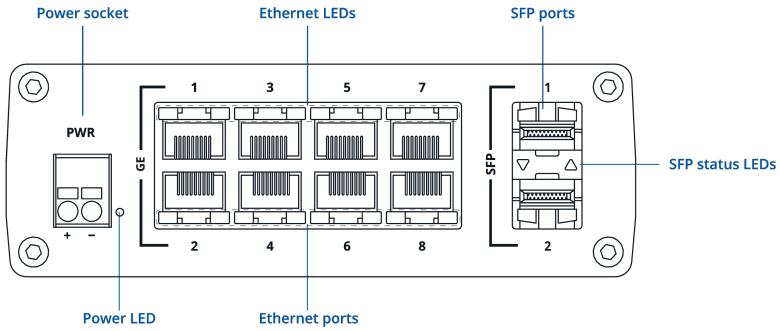
Certification

EMEA	TSW210 CE TSW210 UKCA TSW210 EAC TSW210 RoHS TSW210 REACH TSW210 CITC TSW210 Kenya TSW210 Morocco ANRT
APAC	TSW210 RCM TSW210 SDPPI (POSTEL) TSW210 MTCTE
AMERICAS	TSW210 FCC TSW210 IC(ISED) TSW210 UL/CSA Safety TSW210 NOM
MISCELLANEOUS	TSW210 CB Scheme
SAFETY & ENVIROINMENTAL	TSW210 WEEE

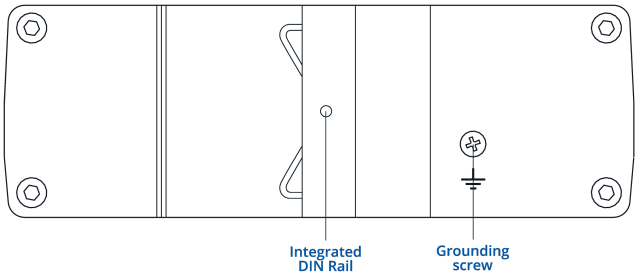
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Hardware

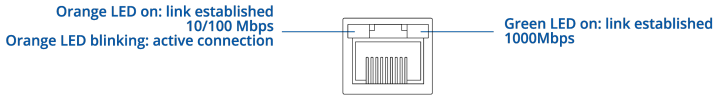
FRONT VIEW



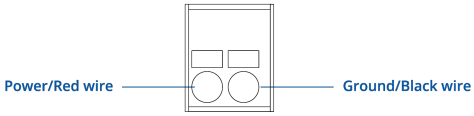
BACK VIEW



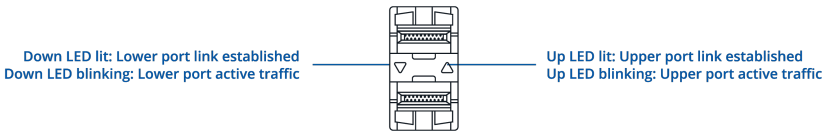
RJ45 LED MEANING



POWER SOCKET PINOUT



SFP LED MEANING



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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.

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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
TSW210 *****0	N/A	TSW210000040 / Standard package withouth PSU
TSW210 *****1 **Profinet Class A conformance**	N/A	TSW210000011 / Standard package without PSU

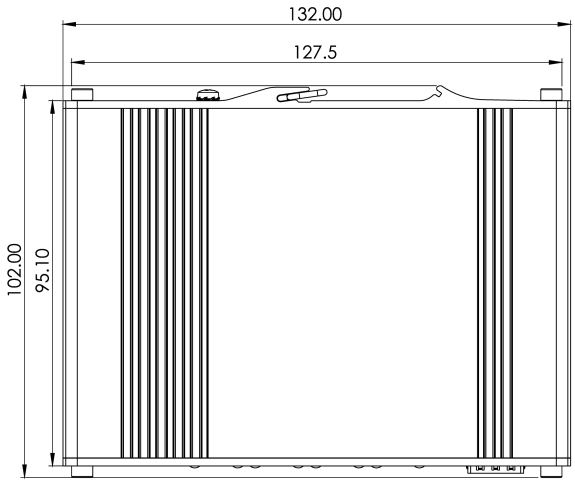
TSW210 spatial measurements

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

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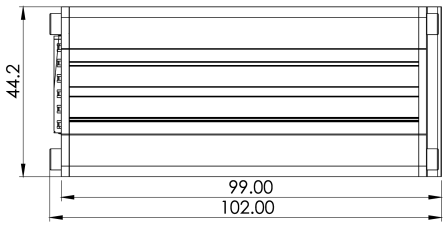
TOP VIEW

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



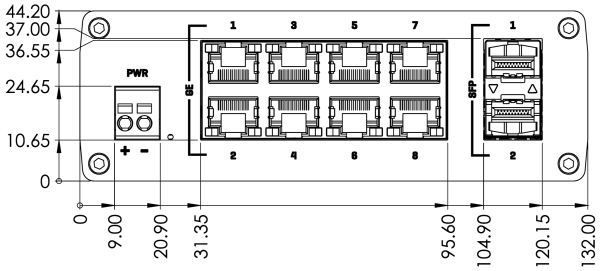
RIGHT VIEW

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



FRONT VIEW

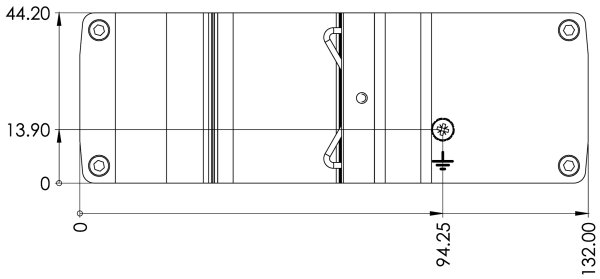
The figure below depicts the measurements of device and its components as seen from the front panel side:



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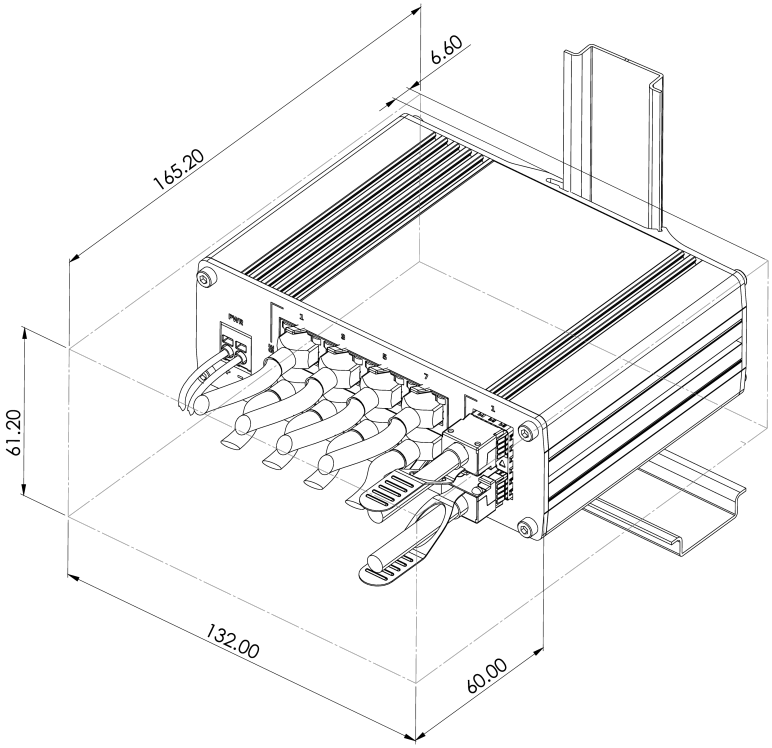
BACK VIEW

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:



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