TSW101

AUTOMOTIVE POE+ SWITCH



Energy & utilities

Enterprise

Industrial & automation

Retail

Smart city

Transportation

PLUG AND PLAY

No configuration needed

POE+

4 x PoE+ ports with 802.3af and 802.3at support

GIGABIT ETHERNET

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

INDUSTRIAL DESIGN

Rugged aluminum housing

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

Ethernet	
ETH	5 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover
IEEE 802.3 series standards	802.3i, 802.3u, 802.3ab, 802.3x, 802.3az

POE OUT	
PoE+ ports	Port 1 - 4
PoE standards	IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2), Alternative A
PoE Max Power per Port (at PSE)	30 W
Total PoE Power Budget (at PSE)	60 W
Maximum Ethernet cable length	100 m

Power	
Connector	2-pin industrial DC power socket
Input voltage range	9 – 30 VDC
PoE-Out input voltage range	9 – 30 VDC
Power consumption	Idle: 0.64 W / Max: 2.31 W / PoE Max: 62.3 W
PSU	12 V or 24 V car battery-powered. No additional PSU is required.

Physical Interfaces	
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
Status LEDs	1 x Power LED, 10 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)	115 x 32 x 95 mm
Weight	384 g
Mounting options	DIN rail, wall mount, flat surface (all require additional kit)

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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)	10 Gbps
Packer buffer	128 KB
MAC address table size	2K entries
Jumbo frame support	9216 bytes

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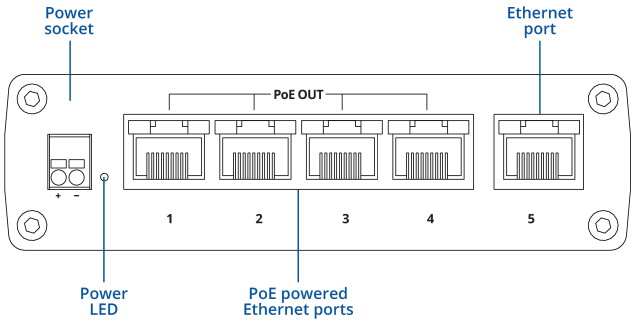
Certification

EMEA	TSW101 CE TSW101 UKCA TSW101 EAC TSW101 RoHS TSW101 REACH TSW101 CITC TSW101 Kenya TSW101 Morocco ANRT
APAC	TSW101 RCM TSW101 MTCTE
AMERICAS	TSW101 FCC TSW101 IC(ISED) TSW101 Anatel
MISCELLANEOUS	TSW101 UN ECE R10 TSW101 CB Scheme
SAFETY & ENVIROINMENTAL	TSW101 WEEE

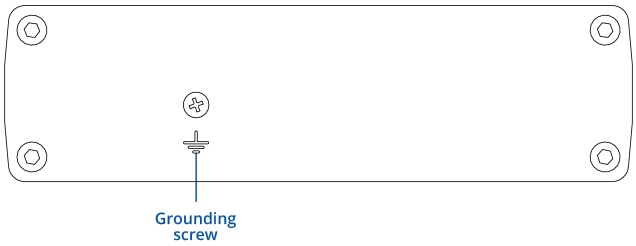
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Hardware

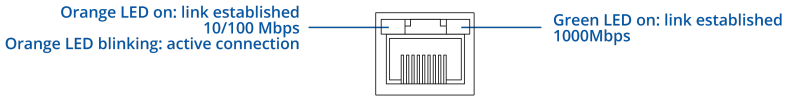
FRONT VIEW



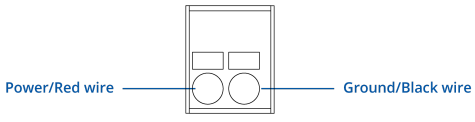
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



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Ordering

Standard package*



TSW101



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
TSW101 *****0	N/A	TSW101000000 / Standard package withouth PSU TSW101000020 / Mass packing code
TSW101 *****1 **Profinet Class A conformance**	N/A	TSW101000001 / Standard package without PSU

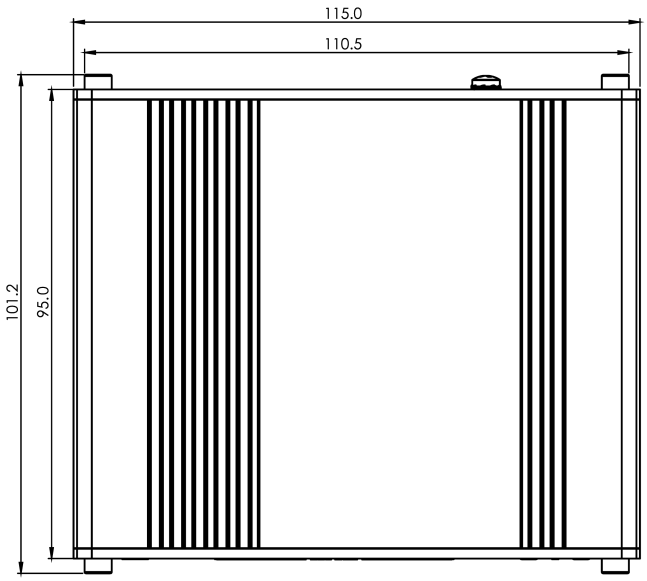
TSW101 spatial measurements

Available versions	
Device housing (W x H x D)	115 x 32.2 x 101.2 mm
Box (W x H x D):	175 x 35 x 150 mm

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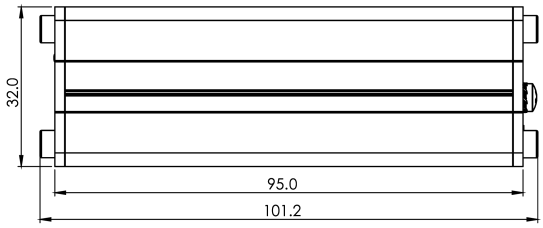
TOP VIEW

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



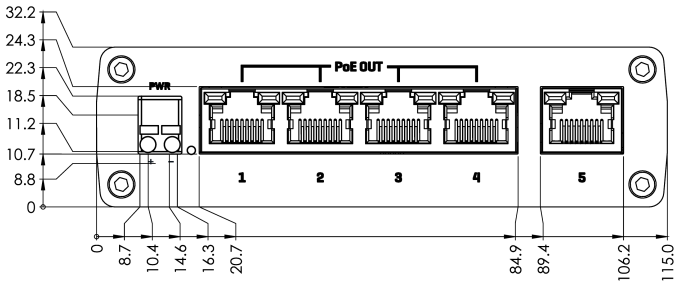
RIGHT VIEW

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



FRONT VIEW

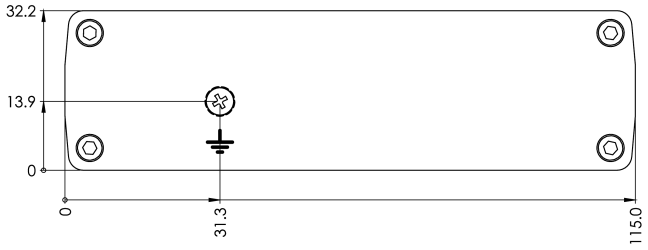
The figure below depicts the measurements of device and its components as seen from the front panel side:



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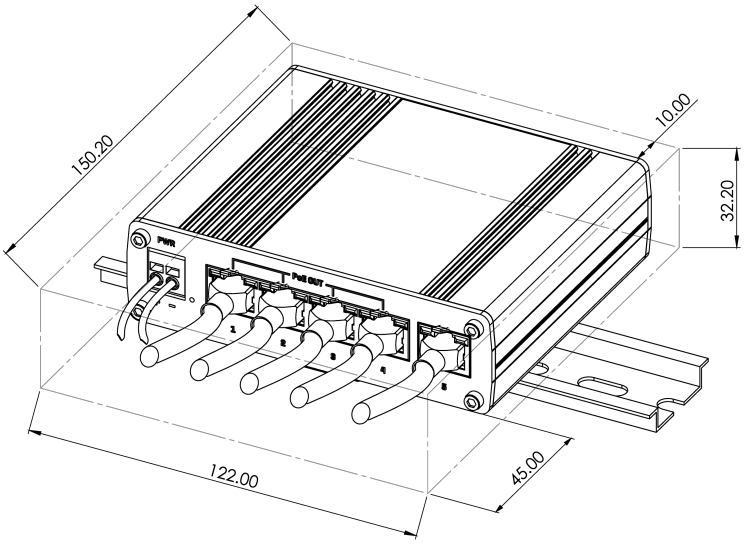
REAR VIEW

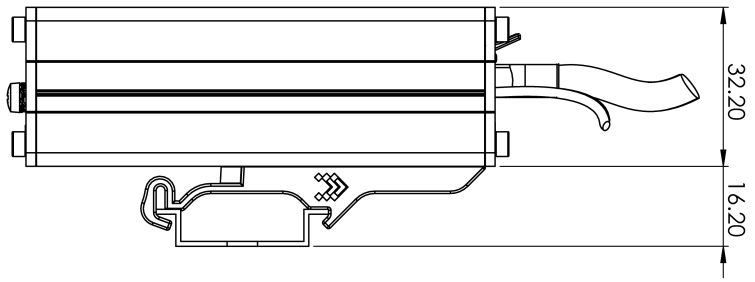
The figure below depicts the measurements of device and its components as seen from the back panel side:



MOUNTING SPACE REQUIREMENTS

The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:





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