TSW100

INDUSTRIAL POE+ ETHERNET SWITCH



Energy & utilities

Enterprise

Industrial & automation

Retail

Smart city

POE+

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

POWER BUDGET

Total power budget at PSE up to 120 W

ETHERNET

5 x Gigabit Ethernet with speeds up to 1000 Mbps

MOUNTING

DIN rail and surface mounting options

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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 (Order code: TSW100 ***1******) IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2), Alternative B (Order code: TSW100 ***0**********)
PoE Max Power per Port (at PSE)	30 W
PoE Power Budget (at PSE)	120 W

Power	
Connector	4-pin industrial DC power socket
Input voltage range	7 – 57 VDC
PoE-Out input voltage range	44 – 57 VDC
Power consumption	Idle: 2 W / Max (no PoE): 9 W / PoE Max: 129 W

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 4-pin power connector
Other	1 x Grounding screw

Physical Specification	
Casing material	Anodised aluminium housing and panels
Dimensions (W x H x D)	115 x 32.2 x 101.2 mm
Weight	350 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	TSW100 CE TSW100 UKCA TSW100 EAC TSW100 Ukraine UCRF TSW100 RoHS TSW100 REACH TSW100 CITC TSW100 Kenya TSW100 Morocco ANRT
APAC	TSW100 RCM TSW100 SDPPI (POSTEL) TSW100 MTCTE
AMERICAS	TSW100 FCC TSW100 IC(ISED) TSW100 Anatel TSW100 NOM
MISCELLANEOUS	TSW100 UN ECE R10 TSW100 CB Scheme
SAFETY & ENVIROINMENTAL	TSW100 WEEE

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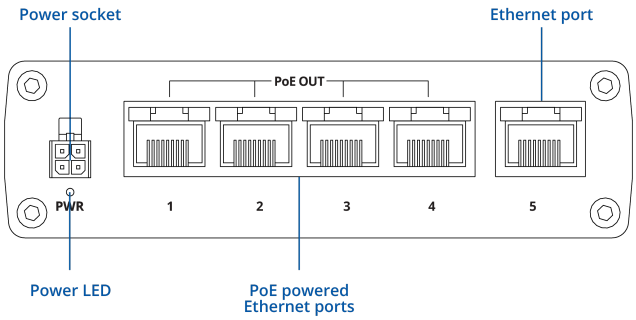
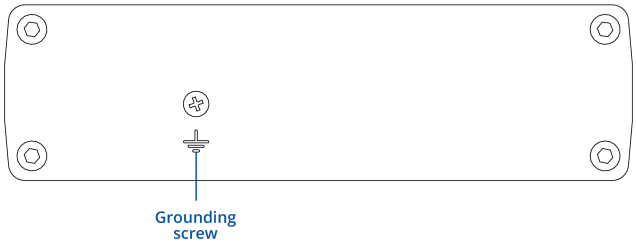
Hardware

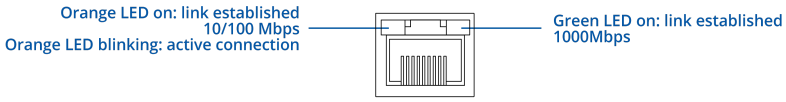
FRONT VIEW



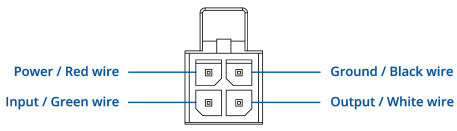
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



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Ordering

Standard package*



TSW100



62W PSU



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
TSW100 ***1****	N/A	TSW100010000 / Standard package with EU PSU TSW100010010 / Standard package with US PSU TSW100010020 / Standard package with AU PSU TSW100010030 / Standard package with UK PSU TSW1000100A0 / Standard package with power cable (4-way screw terminal) TSW1000100B0 / Mass packing code TSW100010040 / Without PSU
TSW100 *****1 **Profinet Class A conformance**	N/A	TSW100010001 / Standard package with EU PSU TSW1000100F1 / Mass packing code

TSW100 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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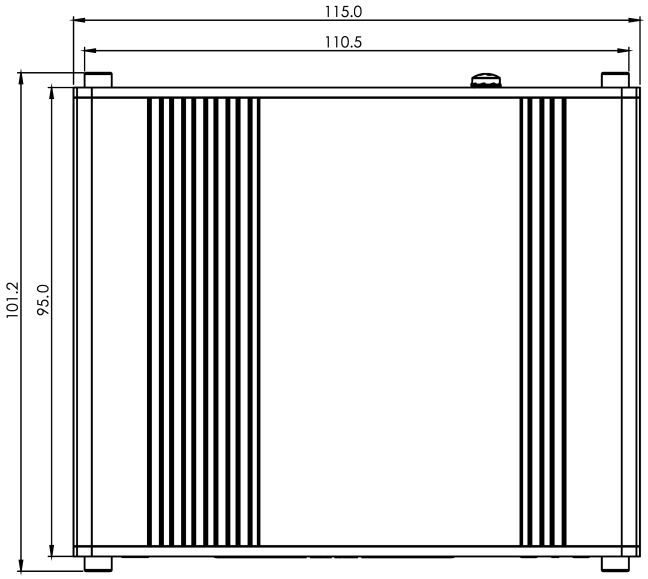
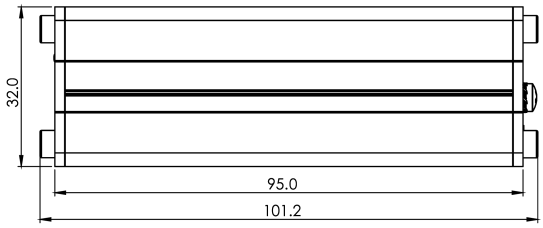
TOP VIEW

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



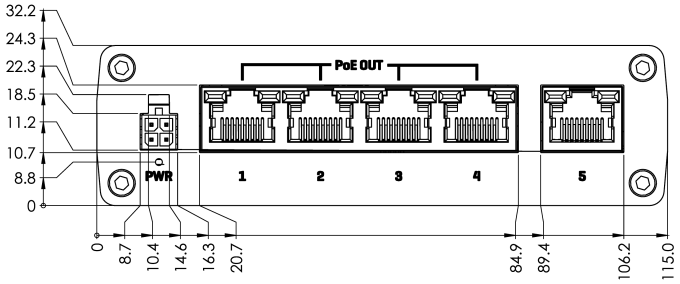
RIGHT VIEW

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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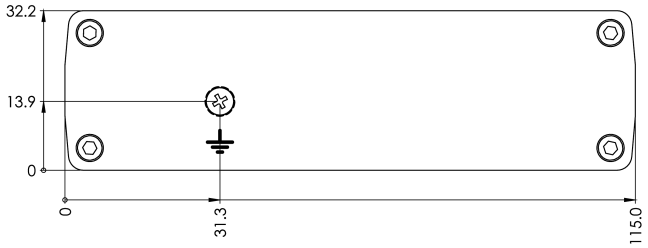
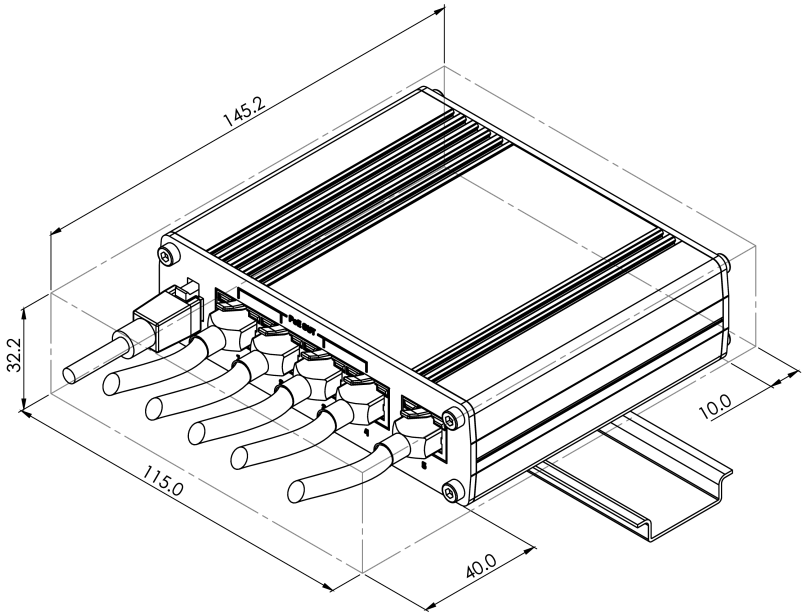
REAR VIEW

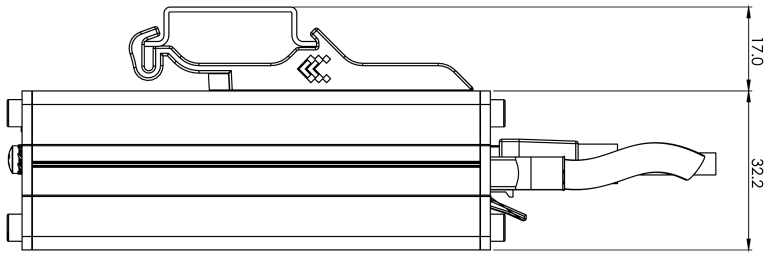
The figure below depicts the measurements of device and its components as seen from the back panel side:



MOUNTING SPACE REQUIREMENTS

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





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ABOUT

Millbeck brings over 20 years of connectivity expertise, delivering smart, secure IoT solutions that scale seamlessly, from UK based projects to global deployments.

As a Teltonika Diamond Partner, we combine global IoT SIM coverage, industrial-grade hardware, and expert support to deliver scalable, future-ready systems tailored to your exact needs.

TIMELINE

2002 — MILLBECK FOUNDED
Founded to provide data solutions to SMEs

2008 — FIRST IOT SIM SOLUTION PROVIDED
Cellular SIM solutions commence

2018 — ROAMING IOT SIMS LAUNCHED
The next step in IoT connectivity begins

2024 — TELTONIKA DIAMOND PARTNER
Millbeck solidify position as a key Teltonika partner

2025 — 5000+ CUSTOMERS CONNECTED
Continued growth in IoT Connectivity

EXPERTISE

- Routers
- Antennas
- Networking
- IoT SIMs
- IoT Consultancy

SIM TECHNOLOGIES

- 2G/3G, 4G LTE, 5G, CAT-M1, LTE-M, VoLTE & NB-IoT
- eUICC
- eSIM
- Fixed Public IP
- Fixed Private IP
- IPSec VPN
- SSL VPN

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Industry sectors we connect

- Agriculture
- Construction
- BMS & Smart Cities
- Energy & Utilities
- Healthcare
- EV Charging
- Industrial IoT
- Retail & Point of Sale
- Security
- Automotive & Logistics

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SIM & Hardware vendors

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PROroute

2J antennas

PANORAMA ANTENNAS

POYNTING

DrayTek

QuWireless

OV

kpn IoT

EE

vodafone

O2

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