



TSW200

INDUSTRIAL POE+ ETHERNET SWITCH



Energy &
utilities



Enterprise



Industrial &
automation



Retail



Smart city

SFP

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

POE+

8 x PoE+ ports with 802.af, 802.3at standard support

POWER BUDGET

Total power budget at PSE up to 240 W

ETHERNET

8 x Gigabit Ethernet with speeds up to 1000 Mbps

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, 802.3z

INDUSTRIAL PROTOCOLS

Profinet	Profinet Class A conformance (available with optional order code)
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POE OUT

PoE+ ports	Port 1 - 8
PoE standards	IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2), Alternative A (From batch 42) IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2), Alternative B (From batch 1-41)
PoE Max Power per Port (at PSE)	30 W
Total PoE Power Budget (at PSE)	240 W
PoE protection	Short-circuit and overload protection

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
PoE-Out input voltage range	44 – 57 VDC
Power consumption	Idle: 1.81 W / Max: 5.5 W / PoE Max: 245.5 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	517 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	5% to 95% non-condensing
Ingress Protection Rating	IP30

Regulatory & Type Approvals

Regulatory	CE, UKCA, CITC, ANRT, FCC, IC, CB, MTCTE
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EMC Emissions & Immunity

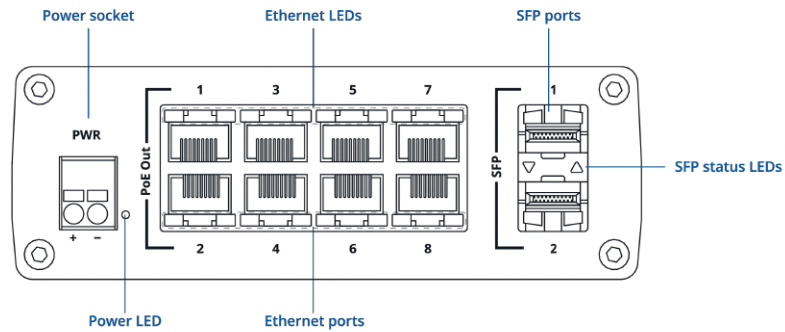
Standards	EN 55032:2015 + A1:2020 EN 55035:2017 + A11:2020 EN IEC 61000-3-2:2019 + A1:2021 EN 61000-3-3:2013 + A1:2019
ESD	EN 61000-4-2:2009
Radiated Immunity	EN IEC 61000-4-3:2020
EFT	EN 61000-4-4:2012
Surge Immunity (AC Mains Power Port)	EN 61000-4-5:2014 + A1:2017
CS	EN 61000-4-6:2014
DIP	EN IEC 61000-4-11:2020

Safety

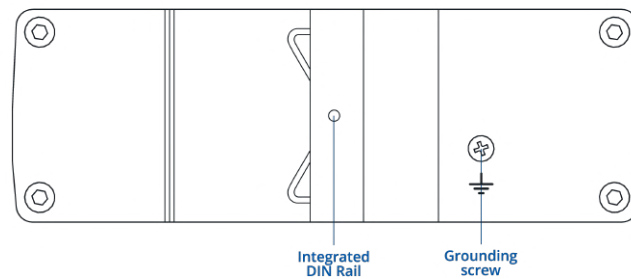
Standards	IEC 62368-1:2018 EN IEC 62368-1:2020+A11:2020
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Hardware

FRONT VIEW



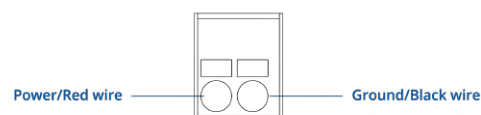
BACK VIEW



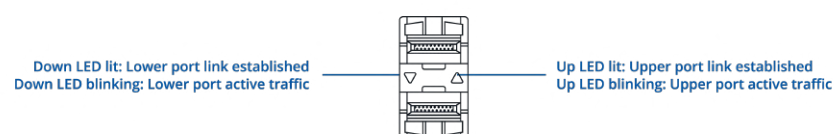
RJ45 LED MEANING



POWER SOCKET PINOUT



SFP LED MEANING



Ordering

Standard package*



TSW200



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
TSW200 *****0	N/A	TSW2000000B0 / Standard package without PSU TSW200000040 / Standard package with EU PSU(62W) without connector TSW200000060 / Standard package with EU PSU(250W) without connector TSW200000070 / Standard package with US PSU without connector TSW200000090 / Standard package with UK PSU without connector
TSW200 *****1 Profinet Class A conformance	N/A	TSW200000051 / Standard package without PSU

TSW200 spatial measurements

Available versions

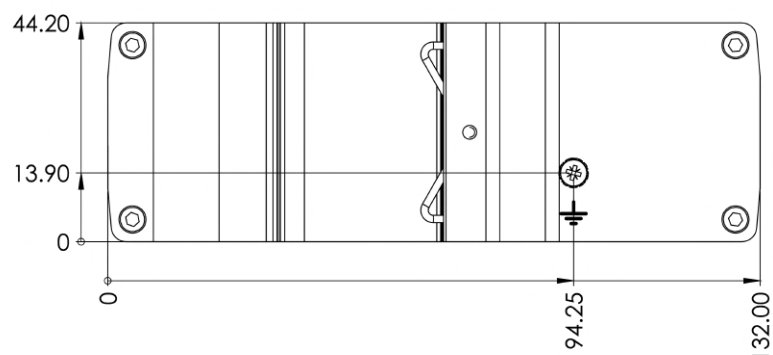
Device housing (W x H x D)*	132 x 44.2 x 95.1 mm
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Box:	135 x 47 x 107 mm
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*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to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

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:

