



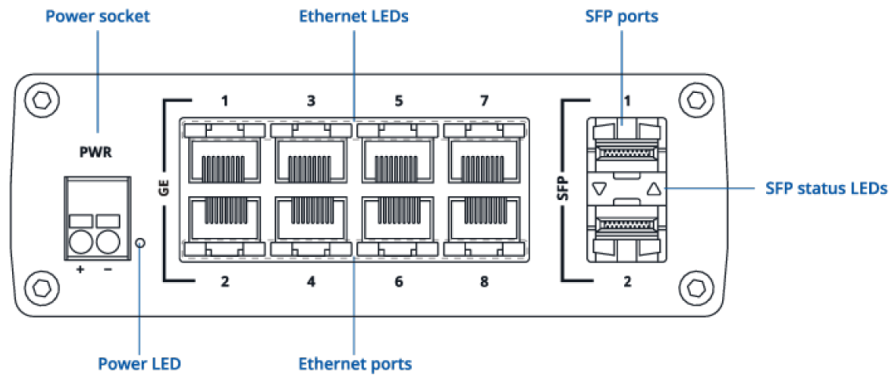
# TSW210

v1.1

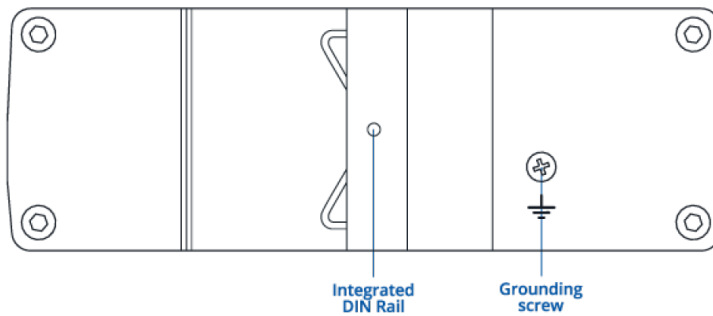


## HARDWARE

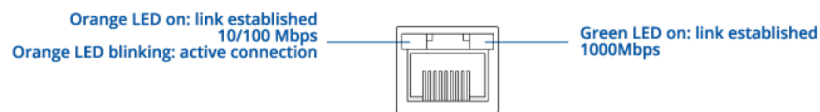
### FRONT VIEW



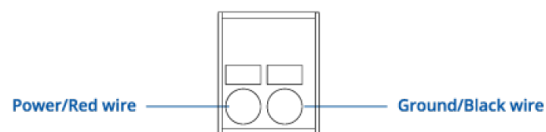
### BACK VIEW

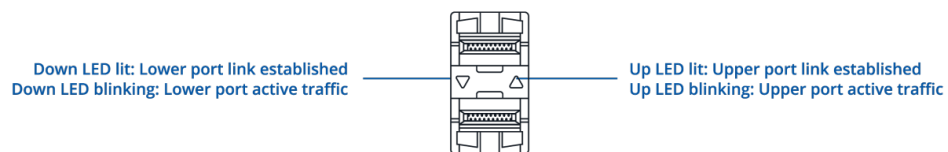


### RJ45 LED MEANING



### POWER SOCKET PINOUT



**SFP LED MEANING**

## FEATURES

### Ethernet

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| <b>ETH</b>                         | 8 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover |
| <b>Fibre</b>                       | 2 x SFP ports                                                     |
| <b>IEEE 802.3 series standards</b> | 802.3i, 802.3u, 802.3ab, 802.3x, 802.3az                          |

### INDUSTRIAL PROTOCOLS

|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| <b>Profinet</b> | Profinet Class A conformance (available with optional order code) |
|-----------------|-------------------------------------------------------------------|

### Performance Specifications

|                                 |            |
|---------------------------------|------------|
| <b>Bandwidth (Non-blocking)</b> | 20 Gbps    |
| <b>Packer buffer</b>            | 128 KB     |
| <b>MAC address table size</b>   | 2K entries |
| <b>Jumbo frame support</b>      | 9216 bytes |

### Power

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Connector</b>           | 2-pin industrial DC power socket |
| <b>Input voltage range</b> | 7 – 57 VDC                       |
| <b>Power consumption</b>   | Idle: ~1.03 W / Max: 3.71 W      |

### Physical Interfaces

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| <b>Ethernet</b>    | 8 x RJ45 ports, 10/100/1000 Mbps                        |
| <b>Fibre</b>       | 2 x SFP ports                                           |
| <b>Status LEDs</b> | 1 x Power LED, 16 x ETH status LEDs 2 x SFP status LEDs |
| <b>Power</b>       | 1 x 2-pin industrial DC power socket                    |
| <b>Other</b>       | 1 x Grounding screw                                     |

### Physical Specification

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| <b>Casing material</b>        | Full aluminum housing                                                         |
| <b>Dimensions (W x H x D)</b> | 132 x 44.2 x 95.1 mm                                                          |
| <b>Weight</b>                 | 500 g                                                                         |
| <b>Mounting options</b>       | Integrated DIN rail bracket, wall mount, 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) |
|------------|----------------------------------------------------------------------------------------|

### EMC Emissions & Immunity

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Standards                            | EN 55032:2015 + A1:2020<br>EN 55035:2017 + A11:2020<br>EN IEC 61000-3-2:2019 + A1:2021<br>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<br>EN IEC 62368-1:2020+A11:2020 |
|-----------|--------------------------------------------------|

### Safety (Hazardous Locations)

|           |                                            |
|-----------|--------------------------------------------|
| Standards | UL 62368-1<br>CAN/CSA C22.2 No. 62368-1-19 |
|-----------|--------------------------------------------|

ORDERING

STANDARD PACKAGE\*



TSW210



QSG (QUICK START GUIDE)

- TSW210
- QSG (Quick Start Guide)
- Packaging box

\*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

AVAILABLE VERSIONS

|                              |     |                                              |
|------------------------------|-----|----------------------------------------------|
| TSW210 *****0                | N/A | TSW2100000040 / Standard package             |
| TSW210 *****1                | N/A | TSW2100000011 / Standard package without PSU |
| Profinet Class A conformance |     |                                              |

TSW210 SPATIAL MEASUREMENTS

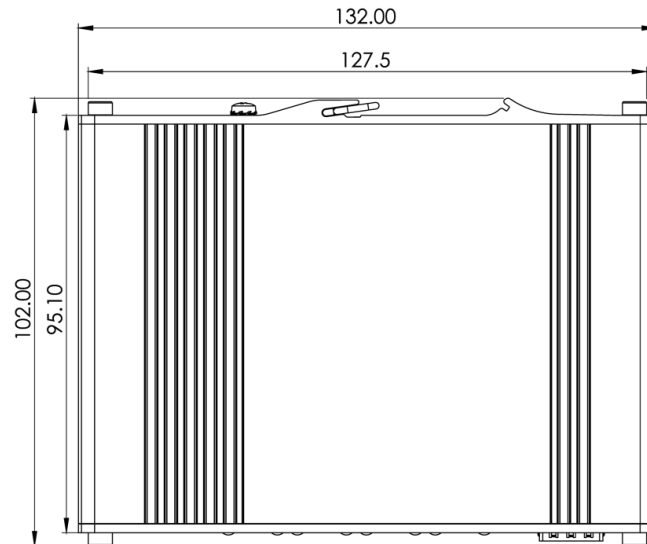
PHYSICAL SPECIFICATION

|                             |                      |
|-----------------------------|----------------------|
| Device housing (W x H x D)* | 132 x 44.2 x 95.1 mm |
| Box (W x H x D):            | 173 x 71 x 148 mm    |

\*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below.

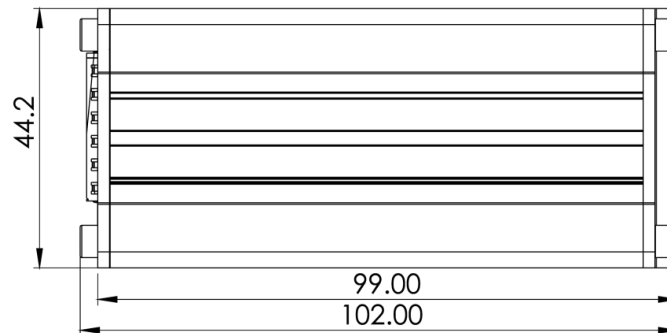
### TOP VIEW

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



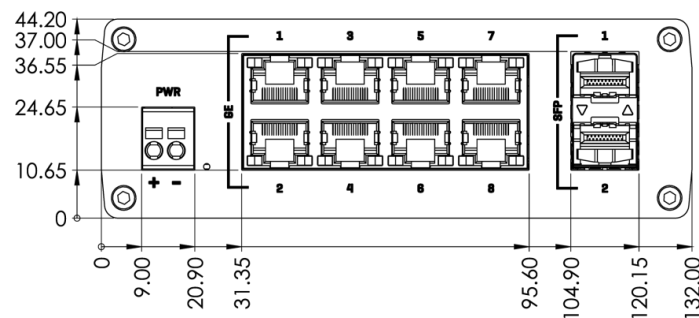
### RIGHT VIEW

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



### FRONT VIEW

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



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