



# TAP200

Wi-Fi 5 ACCESS POINT



Enterprise



Retail



Smart city

## WI-FI 5

Wave-2 802.11 b/g/n/ac Dual Band Wi-Fi

## RJ45 & POE-IN

Supporting speeds of up to 1000 Mbps and PoE-in functionality

## RESILIENT & EASY TO INSTALL

UV-stabilised housing for lasting colour with a mounting bracket for quick setup

## RMS MANAGEMENT

Free RMS Management access for 24 months

**Wireless**

|                                |                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless mode                  | 802.11b/g/n/ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)                                                                                                                                       |
| Wi-Fi security                 | WPA2-Enterprise: PEAP, WPA2-PSK, WPA-EAP, WPA-PSK, WPA3-SAE, WPA3-EAP, OWE; AES-CCMP, TKIP, Auto-cipher modes, client separation, EAP-TLS with PKCS#12 certificates, disable auto-reconnect, 802.11w Protected Management Frames (PMF) |
| SSID/ESSID                     | ESSID stealth mode (Hide SSID)                                                                                                                                                                                                         |
| Wi-Fi users                    | Up to 100 simultaneous connections                                                                                                                                                                                                     |
| Wireless Connectivity Features | Wireless mesh (802.11s), fast roaming (802.11r), BSS transition management (802.11v), radio resource measurement (802.11k)                                                                                                             |
| Wireless MAC filter            | Allowlist, blocklist                                                                                                                                                                                                                   |
| Wireless QR code generator     | Once scanned, a user will automatically enter your network without needing to input login information                                                                                                                                  |
| TravelMate                     | Forward Wi-Fi hotspot landing page to a subsequent connected device                                                                                                                                                                    |

**Ethernet**

|          |                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------|
| Ethernet | 1 x RJ45 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI/MDIX crossover |
|----------|-------------------------------------------------------------------------------------------------------------------------|

**Network**

|                    |                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------|
| Network protocols  | TCP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, SSL v3, TLS, ARP, SSH                                                       |
| DNS over HTTPS     | DNS over HTTPS proxy enables secure DNS resolution by routing DNS queries over HTTPS                                 |
| Hotspot 2.0        | Hotspot 2.0 is a Wi-Fi standard that enables seamless, secure, and automatic connection to trusted wireless networks |
| Traffic Management | Real-time monitoring, wireless signal charts, traffic usage history                                                  |

**Security**

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Authentication      | SSH key based, HTTPS, CLI, IP & Login attempts block, time-based login blocking, built-in random password generator |
| VLAN                | Tag-based VLAN separation                                                                                           |
| Certificate Manager | Certificate creation tool allows to create CA, server, client, let's encrypt, SCEP certificates                     |
| 802.1x              | Port-based network access control client                                                                            |

**Data to Server**

|                |                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol       | HTTP(S), MQTT, Azure MQTT                                                                                                                                                                     |
| Data to server | Extract parameters from multiple sources and different protocols, and send them all to a single server; Custom LUA scripting, allowing scripts to utilize the router's Data to server feature |

## API

|                                              |                                                                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Teltonika Networks<br>Web API (beta) support | Expand your device's possibilities by using a set of configurable API endpoints to retrieve or change data. For more information, please refer to this documentation:<br><a href="https://developers.teltonika-networks.com">https://developers.teltonika-networks.com</a> |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Site Manager

|                 |                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| Supported modes | Managed Device                                                                                                               |
| Functionalities | FOTA updates, device status reporting, automatic reboot via ping/wget health checks, centralized wireless SSID configuration |

## Monitoring & Management

|          |                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WEB UI   | HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, multiple event log servers, firmware update availability notifications, event log, system log, kernel log |
| FOTA     | Firmware update from server, automatic notification                                                                                                                        |
| SSH      | SSH (v1, v2)                                                                                                                                                               |
| Email    | Receive email message status alerts of various services                                                                                                                    |
| JSON-RPC | Management API over HTTP/HTTPS                                                                                                                                             |
| RMS      | Teltonika Remote Management System (RMS)                                                                                                                                   |

## System Characteristics

|               |                                           |
|---------------|-------------------------------------------|
| CPU           | MediaTek, Dual-Core, 880 MHz, MIPS 1004Kc |
| RAM           | 256 MB, DDR3                              |
| FLASH storage | 16MB, SPI NOR Flash                       |

## Firmware/Configuration

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| WEB UI                 | Update FW from file, check FW on server, configuration profiles, configuration backup                                                       |
| FOTA                   | Update FW                                                                                                                                   |
| RMS                    | Update FW/configuration for multiple devices at once                                                                                        |
| Keep settings          | Update FW without losing current configuration                                                                                              |
| Factory settings reset | A full factory reset restores all system settings, including the IP address, PIN, and user data to the default manufacturer's configuration |

## FIRMWARE CUSTOMISATION

|                     |                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating system    | RutOS (OpenWrt based Linux OS)                                                                                                                                              |
| Supported languages | Busybox shell, Lua, C, C++                                                                                                                                                  |
| Development tools   | SDK package with build environment provided                                                                                                                                 |
| GPL customization   | You can create your own custom, branded firmware and web page application by changing colours, logos, and other elements in our firmware to fit your or your clients' needs |
| Package Manager     | The Package Manager is a service used to install additional software on the device                                                                                          |

**Power**

|                     |                            |
|---------------------|----------------------------|
| Connector           | RJ45 Socket                |
| Input voltage range | 44.0 – 57.0 V              |
| PoE standards       | 802.3af PoE Class 1        |
| Power consumption   | Idle: < 4 W / Max: < 5.5 W |

**Physical Interfaces**

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                | 1 x RJ45 port, 10/100/1000 Mbps                                                                                                               |
| Status LEDs             | 1 x Power LED (can be turned off from web-UI)                                                                                                 |
| Antennas                | 2 x Internal for 2.4 GHz Wi-Fi, 2 x Internal for 5 GHz Wi-Fi                                                                                  |
| Antennas specifications | 2 x 2400 - 2500 MHz, 50 Ω, VSWR <2.7, gain < 4.9 dBi, omnidirectional<br>2 x 5150 - 5850 MHz, 50 Ω, VSWR <2, gain < 5.02 dBi, omnidirectional |
| Reset                   | Reboot/User default reset/Factory reset button                                                                                                |

**Physical Specification**

|                        |                                         |
|------------------------|-----------------------------------------|
| Casing material        | UV stabilized plastic                   |
| Dimensions (W x H x D) | Ø 158 mm x 30 mm                        |
| Weight                 | 190 g                                   |
| Mounting options       | AP mounting bracket (for ceiling mount) |

**Operating Environment**

|                           |                           |
|---------------------------|---------------------------|
| Operating temperature     | -40 °C to 50 °C           |
| Operating humidity        | 10% to 90% non-condensing |
| Ingress Protection Rating | IP30                      |

**Regulatory & Type Approvals**

|            |                                                                                         |
|------------|-----------------------------------------------------------------------------------------|
| Regulatory | CE, FCC, RCM, UKCA, IC(ISED), RoHS, CB Scheme, REACH, SDPPI(Postel), Kenya, ICASA, ANRT |
|------------|-----------------------------------------------------------------------------------------|

**EMC Emissions & Immunity**

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Standards                            | EN 55032:2015 + A11:2020            |
|                                      | EN 55035:2017 + A11:2020            |
|                                      | EN 61000-3-3:2013+A1:2019 + A2:2021 |
|                                      | EN IEC 61000-3-2:2019 + A1:2021     |
|                                      | EN 301 489-1 V2.2.3                 |
|                                      | EN 301 489-17 V3.2.4                |
| 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              |

**RF**

|           |                   |
|-----------|-------------------|
| Standards | EN 300 328 V2.2.2 |
|           | EN 300 893 V2.1.1 |
|           | EN 300 440 V2.2.1 |

**Safety**

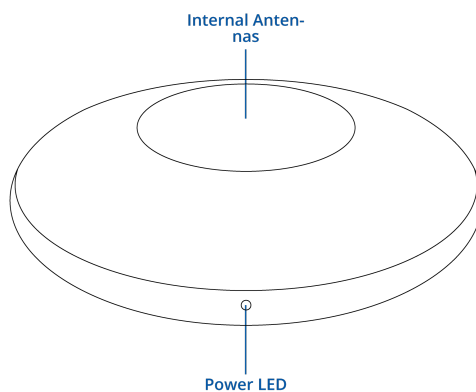
|           |                                                              |
|-----------|--------------------------------------------------------------|
| Standards | <b>CE:</b> EN IEC 62368-1:2020 + A11:2020, EN IEC 62311:2020 |
|           | <b>RCM:</b> AS/NZS 62368.1:2022                              |
|           | <b>CB:</b> IEC 62368-1:2018                                  |

## Certification

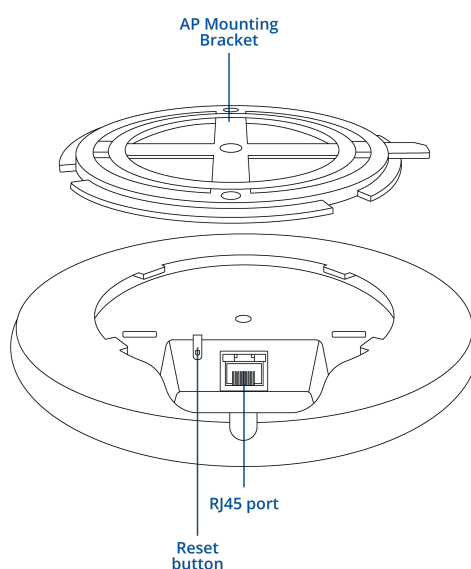
|               |                       |
|---------------|-----------------------|
| EMEA          | TAP200 CE             |
|               | TAP200 UKCA           |
|               | TAP200 RoHS           |
|               | TAP200 REACH          |
|               | TAP200 Kenya          |
|               | TAP200 ICASA          |
|               | TAP200 Morocco ANRT   |
| APAC          | TAP200 RCM            |
|               | TAP200 SDPPI (POSTEL) |
| AMERICAS      | TAP200 FCC            |
|               | TAP200 IC(ISED)       |
| MISCELLANEOUS | TAP200 CB Scheme      |

## Hardware

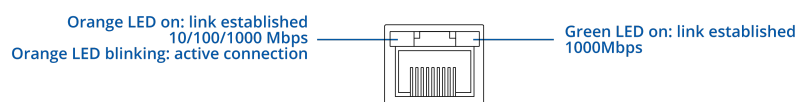
### FRONT VIEW



### BOTTOM VIEW



### RJ45 LED MEANING



## Ordering

Standard package\*



TAP200



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                                                                                                                                                                  |
|------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TAP200 *****     |                       | TAP20000AC00 / Standard package<br>TAP20000AA00 / Standard package with EU PoE injector<br>TAP200000100 / Standard package with UK PoE injector<br>TAP200000500 / Standard package with US PoE injector |

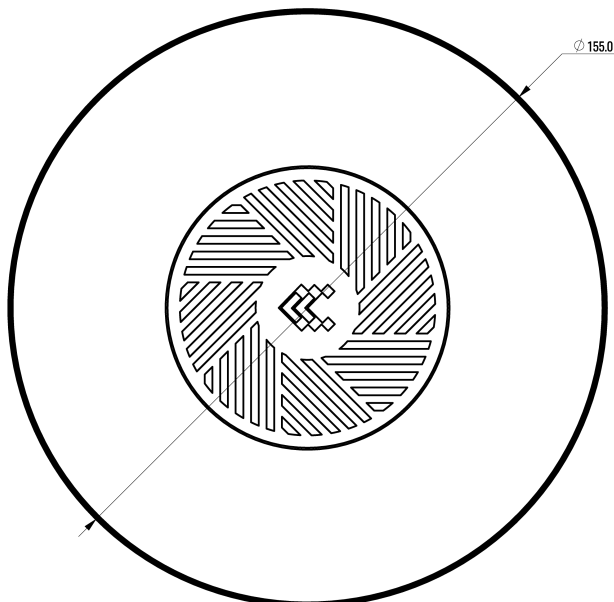
## TAP200 spatial measurements

### Available versions

|                 |                   |
|-----------------|-------------------|
| Device housing: | Ø 158 mm x 30 mm  |
| Box:            | 355 x 175 x 60 mm |

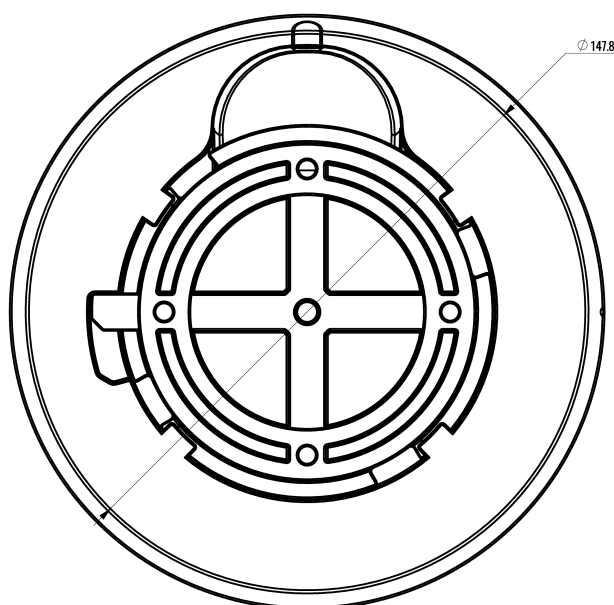
## TOP VIEW

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



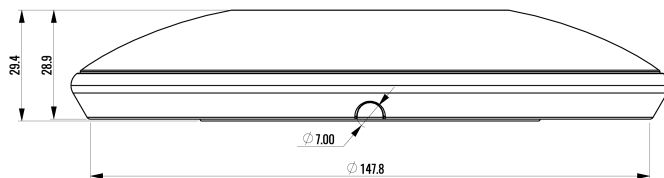
## BOTTOM VIEW

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



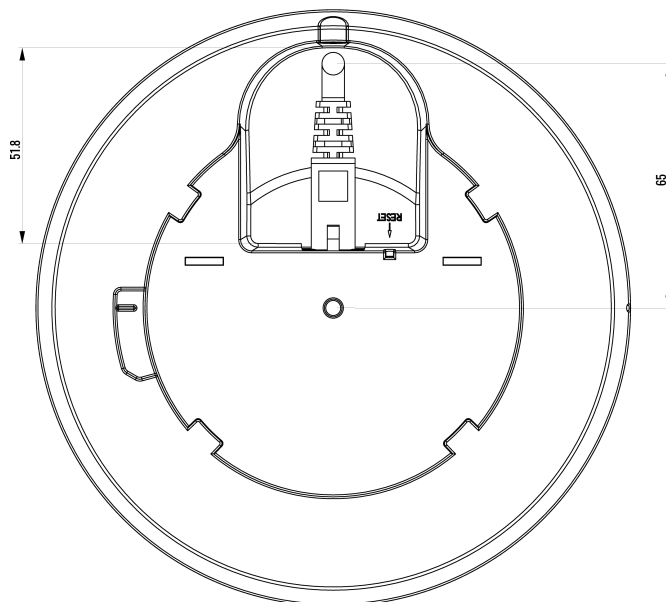
## SIDE VIEW

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



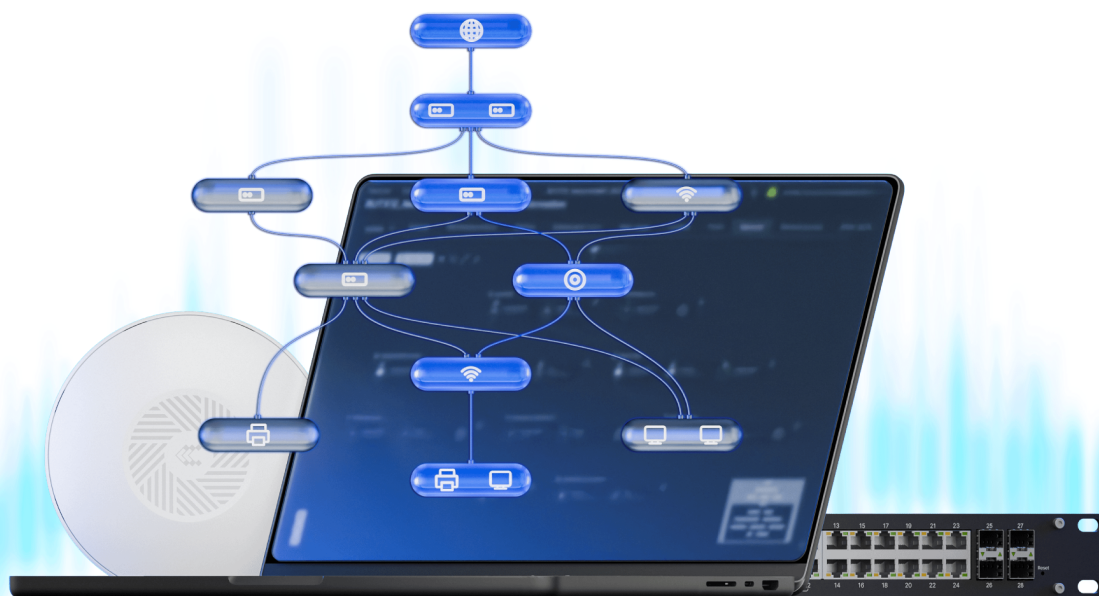
## MOUNTING SPACE REQUIREMENTS

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



RMS

# REMOTE MANAGEMENT SYSTEM



## UNIFIED ENTERPRISE CONTROL. SIMPLIFIED.

### One Integrated Ecosystem

**Your complete networking solution:** TAP Access Points, SWM/TSW Switches, and the power of RMS – all working together on one secure platform.

- Vendor-Neutral Management: RMS manages Teltonika and 3rd-Party networking devices from a single platform.
- No Hardware Controllers: Save cost and complexity. Manage everything through RMS or local OS.
- Enterprise OS: RutOS & TswOS come with built-in VPN, VLAN/QoS, enhanced security, and powerful automation tools.

### Unmatched Remote power

- **RMS Access Included:** Get two years of free remote monitoring and configuration immediately upon purchase.
- **Interactive Network Map:** Visual 2D topology for faster diagnostics and configuration directly from the map.
- **Extend Your Reach:** Securely access any device behind your network through RMS Connect (cameras, PLCs, servers, etc.) extending management beyond our hardware.