

# Hardware Overview

## zacktrack Smart specific hardware



### SERVER

**Product number:** z00109201

**Case:** 9.5-inch rack 1U, Half-length

**Form Factor:** 9.5" 1U chassis

**Dimensions:** 260 x 230 x 44 mm

**Gross Weight:** 1,32 kg

**Power Supply:** 100-250VAC, 50-60Hz, 50VA

**Display:** User Information

**Ports:** 2xLAN, 1xUSB, 1xPowercon thru In- & Output



### Anchor

**Product number:** z00101101

**Material:** ABS (IP 54)

**Dimensions:** 190 x 150 x 38 mm

**Weight:** 500 g

**Power Supply:** PoE IEEE802.3at & IEEE802.3af - CAT6 compatible with Neutrik etherCON

**Mounting:** Aluminium Plate for Clamps incl. rig for safety line

**Technology:** Radio RTLS (Real Time Location System) based on Decawave DWM1001

**Accuracy:** < 10 cm

**Update Rate:** 1 - 25 Hz

**Connectivity:** UWB (Ultra Wideband) channel 5 - 6,2 - 6,7 GHz, 500 MHz bandwidth

**Default radio channel:** channel 5 / 6,5 GHz

**Radio regulations:** Ultra-Wideband worldwide radio regulations

[https://www.decawave.com/sites/default/files/apr001\\_uwb\\_worldwide\\_regulations\\_summaryrev1.2.pdf](https://www.decawave.com/sites/default/files/apr001_uwb_worldwide_regulations_summaryrev1.2.pdf)



### Tracker

**Product number:** z00102101

**Material:** ABS



**Dimensions:** 47 x 33 x 7,5 mm

**Weight:** 15,4 g

**Battery Operating Time:** → 8 hours in tracking mode / multiple days in standby mode

**Charging:** 2 hours (100%), 5V DC

## Charging Station

**Product number:** z00102191



**Material:** ABS

**Dimensions:** x x x x mm

**Connection:** USB C, 5V 1A

## zacktrack Puck

**Product number:** z00107101



**Material:** ABS

**Dimensions:** Xmm Ø x Xmm

**Weight:** Xg

**Battery:** LiPo → 4 days under usage

**Connection:** USB C, UWB

**Charging:** 5V, 1.2A, 3 hours (100%)

## Additional hardware

Besides the specific zacktrack hardware it is also necessary to use the following additional hardware to run zacktrack.

- **Android Tablet** necessary for setup process

Recommendations:

- **Samsung Galaxy Tab S7 FE:**
  - Dimensions:** 18,5 x 28,48 x 0,63 cm
  - Screen:** 12.4 Zoll, 16:9, 2560×1600, Multi-Touch
  - Wireless:** WLAN 802.11a/b/g/n/ac, Bluetooth 4.2
  - Weight:** 610g
  - Battery:** 10090mAh,
  - Connector:** USB-C
- **Samsung Galaxy Tab S8:**
  - Dimensions:** 16,53 x 25,38 x 0,63 cm
  - Screen:** 11 Zoll, 16:9, 2560 x 1600, Multi-Touch,
  - Wireless:** WLAN 802.11a/b/g/n/ac, Bluetooth 4.2
  - Weight:** 503g
  - Connector:** USB-C

- \* **PoE switch to power and link all anchors into one network**
- \* **>5W per port** \* **Recommended products:**  
<https://www.luminex.be/products/gigacore/>
- \* **CAT5e/CAT6/CAT7 ethernet cables for the anchors and connections between switches**
- \* **WIFI Access Point to connect the tablet with the ZacNet**

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Last update: **2020/04/21 09:52**

