

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



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 x mm

Connection: USB C, 5V 1A

zactrack 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 zactrack hardware it is also necessary to use the following additional hardware to run zactrack.

- **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**

From:

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Last update: **2023/06/30 07:00**

