

Hardware Overview

zactrack Smart specific hardware



SERVER

Product number: z00109201

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

Form Factor: 9.5" 1U chassis

Dimensions: X x X x X mm

Gross Weight: X kg

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

Display: User Information

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



Anchor

Product number: z00101101

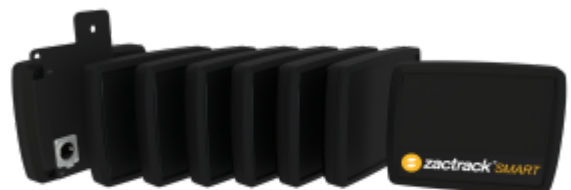
Material: ABS (IP 54)

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 1 - 3, 3,5 - 4,5 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

zacTag (Transmitter)

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



zacTag Charger

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** for setup process necessary
- **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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