

Ultra Wide Band TAG

Key items:

- Person and object tracking using long range UWB
- Operates outside congested wifi bands
- Decawave UWB Radio, 3-7GHz, IEEE 802.15.4a
- 8dBm Bluetooth 5.0
- Firmware upgrade over the air (AES security, unique ID)
- 500 or 600mAh LiPo battery

Indoor localisation < 20cm accuracy¹.

Typical indoor range in buildings for AIRTLS UWB equipment is 30m at 6.8Mbps passing through some wall. Special electronics to increase sensitivity and selectivity of the radio transceiver enable long range indoor tracking. Radio signals travel through walls enabling a true 3D tracking environment of the whole building. The ultrawideband radio guarantees a reliable connection as a data backhaul for bi-directional secured communication. UWB operates outside the WiFi bands using worldwide allowed unoccupied frequencies.

Options

- Display 128x128, 25uW, memory in pixel
- Heptic motor
- NFC
- Qi charge
- Magnetometer
- Black or transparant enclosure



AIRTLS 5 pin magnet-USB connector
Charge cable included



Secure access & control

UWB indoor tracking

Energy efficient: 2 UWB modes

Network to all IOT devices

3D visualisation app

Infiniscale[®], wireless scalable

Dimensions	65 x 35 x 11 mm
Operational temperature	-15 to +70 °C
Accu	600 mAh
Radio	UWB 3-7GHz Bluetooth 2.4GHz

¹: Accuracy range from sub cm accurate in line of sight condition in calibrated environment to few decimeter accuracy in standard commercial building environment with brick or concrete walls