

Ultra Wide Band mobile Field Anchor FA02

Key benefits for next generation smart building

- Fast installation time.
- Person and asset tracking using long range radar
- RGB LED Panel
- Infinite wireless scalable for large deployment.
- Operates outside congested wifi bands
- Qorvo UWB Radio, 4-9GHz, IEEE 802.15.4a
- Firmware upgrade over the air (AES security, unique ID)

Outdoor, Indoor localisation 2cm LOS, < 30cm accuracy¹. Typical outdoor range for UWB system up to 300m at 6.8Mbps by using special electronics to increase sensitivity and selectivity of the radio transceiver. The ultrawideband radio guarantees a reliable connection as a data backhaul for bi-directional. UWB operates outside the WiFi bands using worldwide allowed 'unoccupied' frequencies.

FA02 anchor provides true smart sport tracking.

Providing data integration between heart rate sensors, performance and tracking.

- Tracking of sportsball at 175 positions/second in 3D
- Measuring performance like sprint, shooting consistency
- Realtime Motion analysis for injury prevention (200Hz IMU)
- Long battery life, automatic on/off switching

Connector 1 : USB-C 12Mbps

Mounting : M6 inner threading, quick connect, flex joint
Aluminium Tripod 3/8" UNC-16

Optional features

- GPS
- 8GHz UWB DW3220 (Japan, China)
- NiMh (3xAAA) instead of LiPo battery



mail info@airtls.com
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Automatic deployment



Indoor and outdoor tracking



3D tracking



Energy efficient: 0.4 Watt



3.6 Wh, NiMh or LiPo, 9 hours



-10 to +70 °C



RGB LED, realtime performance feedback



Upright detection to switch on/off (sleep)



Nanosecond synchronous timing



Infiniscale[®], wireless auto scaleable

Dimensions	74 x 36 x 140 mm
Weight	200g
UWB Network Sync	< 100 nano seconds
RGB LED Panel	12 Watt
Radio	UWB 4-9GHz 6.8Mbps BLE 5.3 2.4GHz 2Mbps GPS, GLONASS, Galileo, BeiDou

¹: Accuracy range from sub cm accurate in line of sight condition outdoor up to 30cm indoor. Range up to 300 meter

MOBILE 3D realtime TRACKING SYSTEM



Pulse ball, FiFa Pro

3D UWB tracking, <5cm accuracy
BLE 5.3, mocap 200Hz, pressure sensor
500mAh capacity
9 hrs continuous operation/charge
36 hrs operation (normal training session)
175 positions/sec in 3D, 1ms impact resolution

Stable
60 cm legs
flat on the ground

Max height 3.05m
Range up to 300m

Height 2.25m

MOBILE SYSTEM

6 anchors + tripods
2 balls, 2 trackers
Total weight <9kg

Folded-in length 60cm
Weight 1.2kg
Aluminium, stainless steel

AIRTLS



12 Watt LED RGB
Realtime optical feedback

- goal line detection
- offside
- player performance

Player to tag pairing
using QR code

ANDY '2

Base diameter
28mm

Quick connect

Twist lock