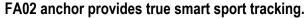
Ultra Wide Band mobile Field Anchor FA02

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)

Indoor and outdoor localisation < 10cm accuracy^{1.}
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.



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

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



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

Connector 1 : USB-C 12Mbps

Optional features

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

Dimensions

Weight

UWB Network Sync

RGB LED Panel

Radio

74 x 36 x 140 mm

200g

< 100 nano seconds

12 Watt

UWB 4-9GHz 6.8Mbps Bluetooth 5.3 2.4GHz 2Mbps GPS, GLONASS, Galileo, BeiDou



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



