

# Ultra Wide Band field anchor PA01

Solar powered UWB anchor

Factsheet

## Key benefits for next generation smart building

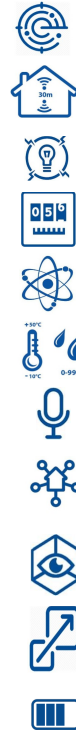
- Fast installation time. Re-using existing mains power wallsocket/outlets
- PV panel 15Watt
- Infinite wireless scalable for large deployment. Worldwide allowed
- Operates outside congested wifi bands
- Qorvo UWB Radio, 3-7GHz, IEEE 802.15.4a
- Firmware upgrade over the air (AES security, unique ID)

Indoor and outdoor localisation < 10cm accuracy<sup>1</sup>  
 Typical max outdoor range for UWB system is +/-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.

## PA01 anchor provides true smart sport tracking.

Providing data integration between heart rate sensors, tracking and 3D performance visualisation.

- Tracking of sportsball.
- Measuring performance like sprint, shooting consistency
- Motion analysis for injury prevention
- Long battery life, automatic on/off switching



- Automatic deployment
- Indoor and outdoor sports
- Self calibrating
- Low power, long battery life
- Microsecond level timing
- IP66, -15 to +70 °C
- Upright detection
- Automatic X Y positioning (mm)
- 3D html5 visualisation
- Infiniscale<sup>®</sup>, wireless auto scaleable
- 10Ah Battery (80 hours duration)



FA01 Mobile field anchor.  
 Optional 12MP 8k 120fps H264 dual lens

Dimensions	300 x 300 (80mm diameter)
UWB	Sports tracking
Network Sync	< 100 nano seconds
PV Panel	15 Watt peak
Humidity	0 to 100% relative humidity
Temperature	±0.5 °C, -15 to +70 °C
Radio	Bluetooth 5.2 2.4GHz 2Mbps
Radio	UWB 3-7GHz, 6.8Mbps

V 1.2

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<sup>1</sup>: Accuracy range from sub cm accurate in line of sight condition, factory calibrated. Range 100+ meter