

# ICTRAC quad Tag



**radino40 DW1000** - Ultra Wide Band Radio Module for Ranging and Real Time locating Systems (RTLS)

- \* IEEE802.15.4-2011 UWB compliant
- \* Supports 6 RF bands from 3.5 GHz to 6.5 GHz
- \* Data rates of 110 kbps, 850 kbps, 6.8 Mbps
- \* 32-bit ARM® Cortex®-M4 CPU with FPU, 64 MHz
- \* allows down to 10cm accuracy for distance measurements
- \* CE + FCC certified

Applications:

- \* **ICTrac** High speed, high density Real Time Locating System
  - + up to 100 Hz update rate for X,Y,Z calculations, independent from number of tags
  - + no restriction in number of tags



# ICDWpro Anchor PoE - Setup and read out Tags via UWB



**ICTRAC Anchor** - UWB device with Ethernet connection

- \* supports 6 RF bands from 3.5 GHz to 6.5 GHz
- \* up to 100 Hz update rate, independent from number of tags
- \* no restriction in number of tags
- \* high precision time source



**ICTRAC Tag**

- \* supports 6 RF bands from 3.5 GHz to 6.5 GHz
- \* possible ultra deep sleep down to 8µA
- \* supports BLE
- \* 6 Axis IMU
- \* Lipo with integrated charger
- \* beeper
- \* vibrator



**ICcase** - transport, charging and data collection

- \* 105 charging sockets for In-Circuit UWB Tags
- \* up to 40A sum charge current
- \* active cooling
- \* transport tags in deep sleep mode



# ICTRAC Setup

