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

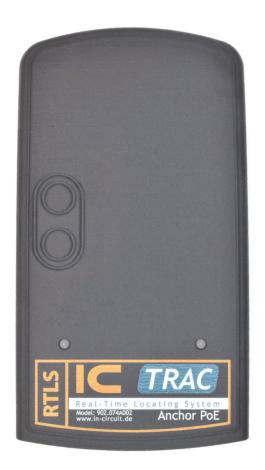








ICDWpro Anchor PoE - Setup and read out Tags via UWB



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

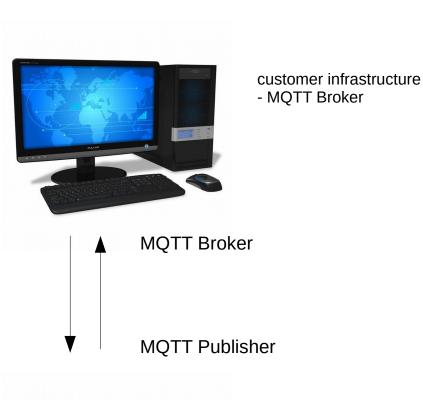


ICcase - transport, charging and data collection

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



ICTRAC Setup

















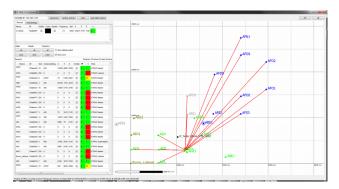


ICTRAC Gateway

- ICTRAC Controller
 - connects to anchors and listeners
 - setup of PoE devices
 - read heartbeats and tag-data
 - runs the MQTT publisher
- ICTRAC Visualizer
- configuration and visualisation anchors and listeners (position, role etc.)
- shows tag positions and data

ICTRAC Controller

- runs locally or remotely
- IC License Server (LCS)
- licensing of tools via USB-stick
- IC Updater
- OTA updater



ICTRAC Visualizer

