



Social Distancing Monitor

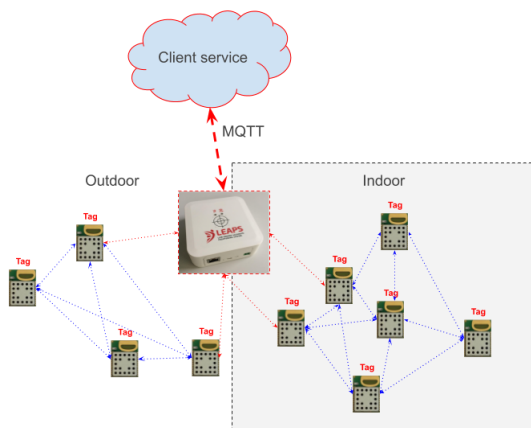
Getting the best of Ultra-wideband and Bluetooth to help.

APPLICATIONS

- Social distancing monitor.
- Collision avoidance between vehicles.
- Collision avoidance between humans and vehicles.
- Distance keeper for defense training and sports.

KEY FEATURES

- Distance monitor and indication between stand-alone mobile devices.
- Infrastructure-less system.
- Can be used indoors and outdoors.
- Reliable distance precision of 30 cm or better in harsh environments.
- Uses Ultra-wideband and Bluetooth wireless technology to balance the best precision and low power consumption (based on DWM1001C module).
- Indication options that include buzzer, haptic motor, LED, GPIO.
- Battery lifetime of 2-4 operating days using 500 mAh LiPo at 2 Hz update rate (depending on device density).
- Accelerometer is used to reduce the update rate or to disable the measurements when not in motion.
- Configurable parameters: update rate, distance thresholds, network ID and accelerometer sensitivity.
- API: UART, SPI, on-module Shell, Bluetooth (in future version).
- Optional on-module logger of measurement statistics.
- Optional statistical or real-time measurement data can be offloaded via bridges.



BRIDGE

- Optional stand-alone bridge is an industrial ready device that forwards the data from the Tags to an MQTT Broker. Connectivity is via Ethernet. Industrial design, PoE, 6-32V, battery backup, USB and camera mount.
- Consists of two types of data that can be offloaded from the Tags.
- Statistical data - collection at checkpoints (entrance, exit). Data is offloaded automatically as the Tags passes by.
- Real-time data - collection is possible when Bridges are deployed in the area of interest.

PRODUCTS

- Solutions
 - IoT modules: PCB Modules with LEAPS firmware.
 - OEM end-user hardware: Wearable Tags, Industrial Tags and Bridges.
- Evaluation kits.
- Technology licensing.
- Design services, customization services and technical support.

ABOUT LEAPS

- LEAPS is a technological company based in Prague, Czech Republic. The company focuses on building and marketing Real-Time Location and Real-Time Telemetry systems based on Ultra-wideband. Founded in 2016, the company is known for designing and developing Qorvo's (former Decawave) DWM1001C modules and PANS.
- LEAPS is an advanced modular system under development and will be marketed under the LEAPS brand. PANS can be considered the Lite version of LEAPS (Freemium model).

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Try a free demo by updating your MDEK1001 kit!

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