

Type2DK UWB module

UWB Module

Ultra-small, high quality and lower power

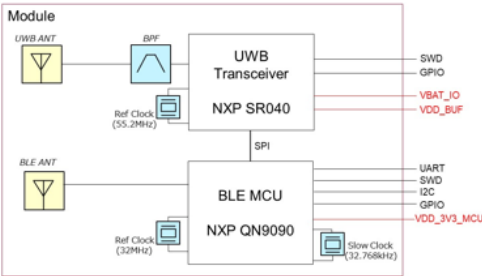
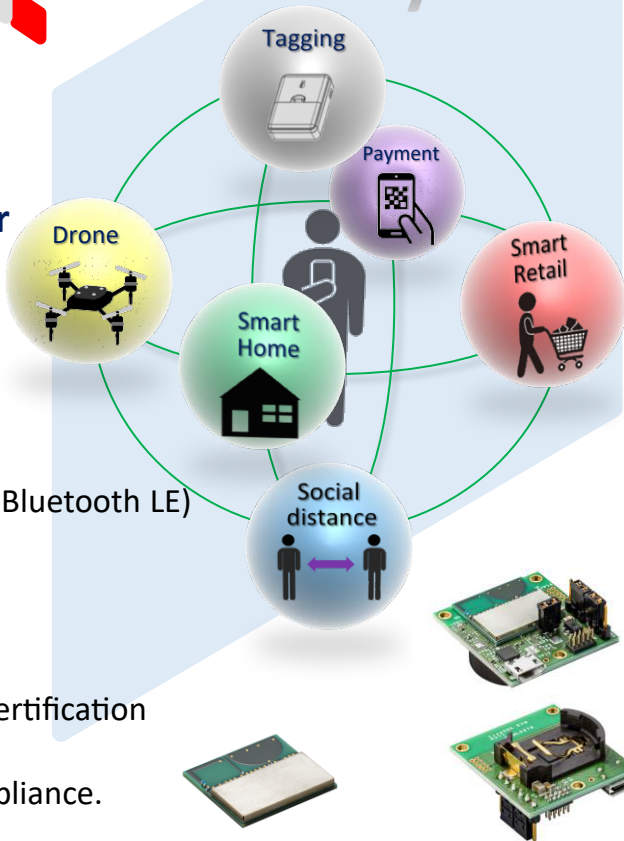
Module features channels 5 & 9, low current consumption. Ideally suited for IoT devices and applications which integrate UWB feature.

Features

- Chipset : NXP SR040 (UWB)/NXP QN9090 (MCU+Bluetooth LE)
- UWB Channel 5, 9 support
- Interface : UART
- Antenna support (UWB ANT/ BLE ANT)
- Reference clock and sleep clock embedded
- BPF (Band pass filter) integrated for regulatory certification
- Package: Resin mold + Conformal shield
- RoHS: This component can meet with RoHS compliance.

Benefits

- Smallest/highly integrated UWB module available in the market
- Tx power and Xtal calibrated for each device
- Evaluation board available for quick development start
- Design guide available for easy UWB adoption to IoT device
- FCC/IC, ETSI, TELEC Certification (In plan)



| | |
|-----------------------|-------------------------------|
| P/N | LBUA2ZZ2DK |
| Main Chipset | NXP SR040 + NXP QN9090 |
| CPU Core | ARM Cortex-M4 (NXP QN9090) |
| RF technology | UWB Ch 5 & 9 |
| Dimensions | 19.6 x 18.2 x 2.3(max) mm |
| Package type | LGA |
| Supply Voltage (V) | 3.3V |
| Target Accuracy | Ranging accuracy : +/- 10[cm] |
| Operating Temperature | -30 to 85 deg.C |