Type2BP module

UWB system

UWB Module

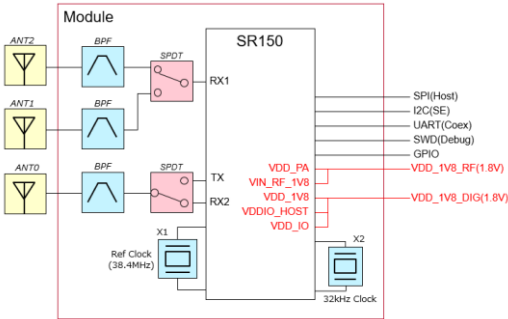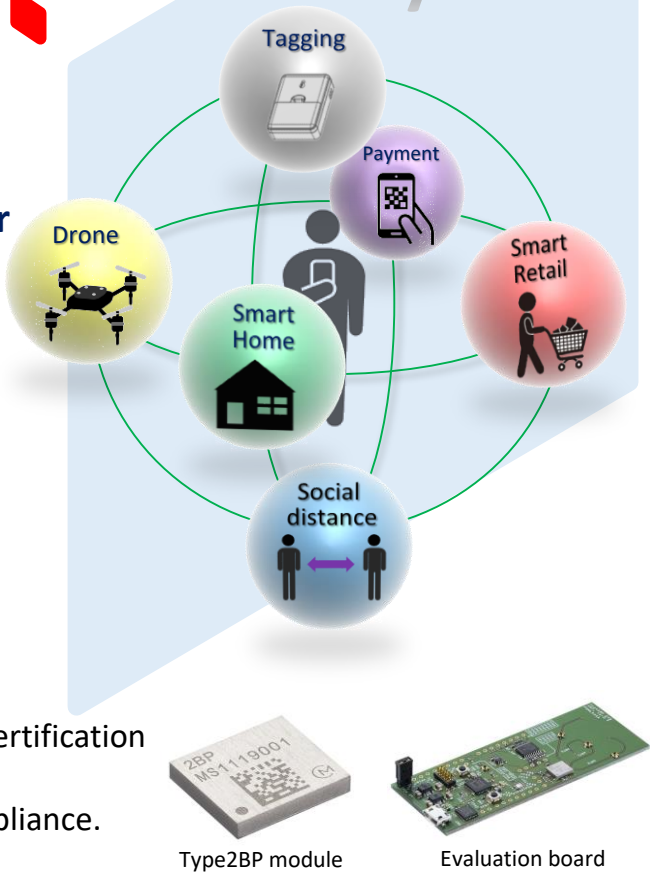## Ultra-small, high quality and lower power

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

Features

➢ Chipset : NXP Trimension SR150
➢ UWB Channel 5, 9 support
➢ Interface : SPI
➢ 3 Antenna support (3D AoA or 2D AoA support)
➢ 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.

Type2BP module   Evaluation board

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
➢ Antenna design guide available for easy UWB adoption for IoT device

Main Chipset	NXP SR150
CPU Core	ARM Cortex-M33
RF technology	UWB Ch 5 & 9
Dimensions	6.6 x 5.8 x 1.2(max) mm
Package type	LGA
Supply Voltage (V)	1.8V
Target Accuracy	Ranging accuracy : +/- 10[cm] AoA accuracy : +/- 3[deg]
Operating Temperature	-30 to 85 deg.C

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