




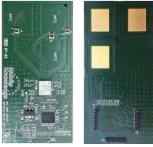


















Get Started with NXP Trimension® Ultra-Wideband Development Kits



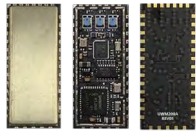
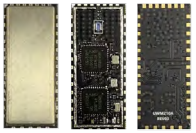



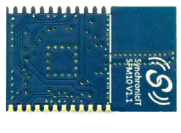
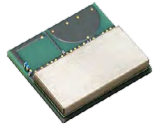


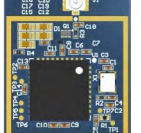
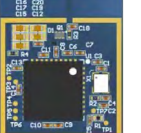















Explore NXP's complete guide of Trimension UWB development kits and modules that are available through NXP, certified partners and distributors.

											
	UWD200A Development Kit	UWD210A Development Kit	VULKANO Evaluation Kit	SynchronicIT SFM10-KIT UWB Evaluation Kit for Trimension® OL23D0	MK UWB SR150/ SR040 UWB Development Kit for Trimension® SR150/ SR040	MK UWB Kit Mobile edition 2.0 Evaluation Kit for NXP Trimension® IoT UWB ICs	Weikeng-Sunway UWB EVK-2 UWB Evaluation Kit for the Trimension® SR150-Based UWB Module	Murata Type 2BP EVK Trimension® SR150 UWB Development Kit	Murata Type 2DK EVK Trimension® SR040 UWB Development Kit	NCJ29D5 Trimension® Evaluation Board for Automotive Ultra-Wideband Available to selected customers under NDA	OL23D0 Trimension® Evaluation Board for IoT Ultra-Wideband Available to selected customers under NDA
											
UWB	SR150	SR040	SR150 SR040	OL23D0	SR150 SR040	SR150 SR040	SR150 SR040	SR150	SR040	NCJ29D5	OL23D0
EdgeLock® Secure Element	✓	-	✓	-	✓ (SR150 only)	✓ (SR150 only)	✓ (SR150 only)	✓	-	-	-
Mobile Support	iOS Android	iOS Android	iOS Android	-	iOS Android	iOS Android	iOS Android	iOS Android	-	-	-
Form Factor	Custom	Custom	Arduino® Shield	Custom (35 × 26 mm)	Arduino® Shield Tag (SR040)	Arduino® Shield Tag (SR040)	Arduino®	Custom (80 × 30 mm)	Custom	Custom (90 × 31 mm)	Custom (90 × 31 mm)
Interfaces	UART USB Bluetooth® LE	UART USB Bluetooth® LE	USB Bluetooth® LE UART SPI GPIO I²C SWD	USB UART SPI	USB Bluetooth® LE UART SPI	USB Bluetooth® LE UART SPI	USB Bluetooth® LE UART SPI	USB Bluetooth® LE	UART	UART SPI	UART SPI
Distributor	Avnet Asia	Avnet Asia	Arrow	Future Electronics	-	-	Weikeng-Sunway, Arrow	EBV, Arrow, Future Electronics	-	-	-
Segment	IoT	IoT	IoT	Industrial IoT	IoT	IoT	IoT	IoT	IoT	Automotive	Industrial IoT
AoA Support	3D	-	2D	-	3D	3D	2D	3D	-	-	-
Modules	UWM200A	UWM210A	DCU 150 DCU 040	SFM10-MOD	Murata Type 2BP	Murata Type 2BP	SW-MI000-SR150 SW-MI000-SR040	Murata Type 2BP	Murata Type 2DK	-	SFM10-MOD
Use Case	Indoor Navigation, Access Control, Hands-free Payments	Item Tracking	Indoor Navigation, Access Control, Hands-free Payments	Industrial	Localization, Access Control, Hands-free Payments	Localization, Access Control, Hands-free Payments	Localization, Access Control, Hands-free Payments	Localization, Access Control, Hands-free Payments	Item Tracking	Secure Car Access	Industrial Indoor Positioning

Get Started with NXP Trimension® Ultra-Wideband Modules



Explore NXP's complete guide of Trimension UWB development kits and modules that are available through NXP, certified partners and distributors.

													
	UWM200A	UWM210A	DCU 040	DCU 150	DCU 023	SFM10-MOD	Type 2DK	Type 2BP	ASMOPIBO 0N21	ASMOPICO 0R1	ASMOPICO 0A1	SW-M1000-SR150	SW-M1000-SR040
													
UWB	SR150	SR040	SR040	SR150	OL23D0	OL23D0	SR040	SR150	SR150	SR040	SR040	SR150	SR040
Size (mm)	13 × 30 × 2.8	13 × 30 × 2.8	15.7 × 16.75 × 2	27 × 27.2 × 1.5	15.7 × 16.75 × 2	24 × 15 × 3	19.6 × 18.2 × 2.3	6.6 × 5.8 × 2.2	10 × 10 × 1.8	13 × 18 × 2.0	13 × 18 × 2.3	13 × 18 × 2.2	13 × 24 × 2.2
V Supply	3.0 – 3.6 V	2.8 – 3.6 V	1.8 – 3.6 V	1.71 – 1.98 V	1.8 – 3.6 V	1.8 – 3.6 V	1.9 – 3.6 V	1.71 – 1.98 V	1.71 – 1.98 V	1.8 – 3.6 V	1.8 – 3.6 V	2.2 – 5.5 V	1.8 – 3.6 V
Switch	Y	-	-	-	-	-	-	Y	Y	-	-	Y	-
Antenna	External	External	Onboard	Onboard	Onboard	Onboard ceramic	Onboard	External	External	Onboard	Connector type = UFL	Connector type = UFL	Onboard
External Components Required	Antenna	Antenna	-	-	-	-	-	Antenna	Antennas	-	Antenna	Antenna	-
Region	Korea, EU	Korea, EU	EU, US	EU, US	EU, US	Worldwide	Worldwide	Worldwide	Worldwide	Europe, Korea	Europe, Korea	Worldwide	Worldwide
Dev Kits	UWD200A Development Kit	UWD210A Development Kit	VULKANO Evaluation Kit	VULKANO Evaluation Kit	VULKANO Evaluation Kit	SynchronicIT SFM10-KIT: UWB Evaluation Kit for Trimension® OL23D0	Murata Type 2DK EVK: Trimension® SR040 UWB Development Kit	Murata Type 2BP EVK: Trimension® SR150 UWB Development Kit	MK UWB SR150/SR040: UWB Development Kit for Trimension® SR150/SR040	MK UWB SR150/SR040: UWB Development Kit for Trimension® SR150/SR040	MK UWB SR150/SR040: UWB Development Kit for Trimension® SR150/SR040	MK UWB SR150/SR040: UWB Development Kit for Trimension® SR150/SR040	Sunway UWB EVK-2: UWB Evaluation Kit for the Trimension® SR150-Based UWB Module
Use Case	Indoor Navigation, Access Control, Hands-free Payments	Item Tracking	Item Tracking	Indoor Navigation, Access Control, Hands-free Payments	Industrial	Industrial	Item Tracking	Indoor Navigation, Access Control, Hands-free Payments	Indoor Navigation, Access Control	Item Tracking	Item Tracking	Indoor Navigation, Access Control, Hands-free Payments	Item Tracking
Host Processor (Included)	QN9090 Bluetooth® LE SoC	QN9090 Bluetooth® LE SoC	-	-	-	-	QN9090 Bluetooth® LE SoC	-	-	-	-	-	-

EdgeLock, Trimension, NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by NXP Semiconductors is under license. © 2024 NXP B.V.

Date of release: September 2024