Trimension® OL23D0: Fully Customizable UWB Controller for IoT
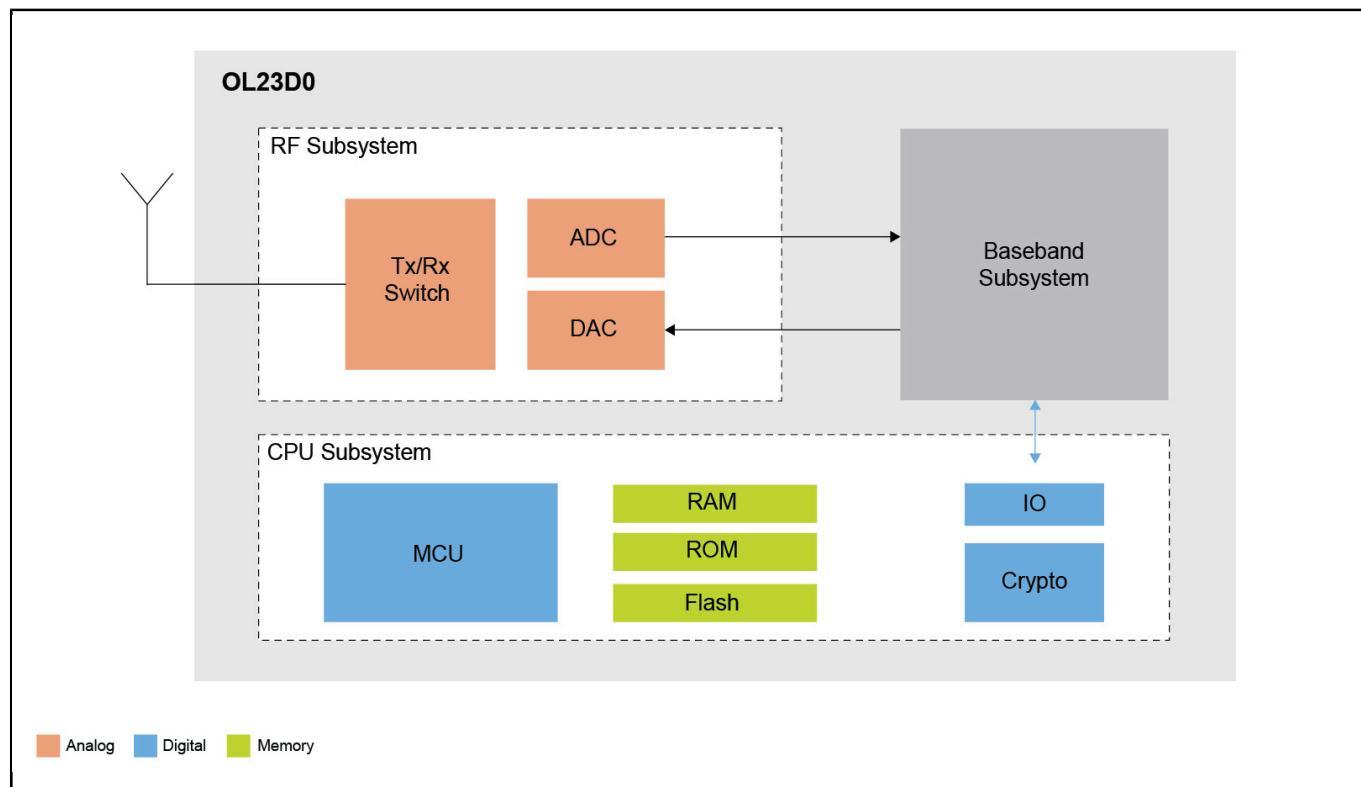
OL23D0

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The Trimension OL23D0 allows customers to design flexible system solutions as well as standalone IoT applications due to its integrated flash memory and microcontroller. This enables highly optimized IoT solutions in terms of performance, energy consumption and system costs. Therefore, the Trimension OL23DO can be used in a broad spectrum of IoT applications including Industrial use cases, location-based services and Smart Home.

NXP achieves excellent precision and robustness with its broad UWB portfolio and was first to offer a system-level UWB solution backed by a comprehensive software offering and strong security integration based on NXP's market-proven embedded secure elements (eSEs), and Near-Field Communication (NFC) integration.

Trimension® OL23D0 UWB IoT controller Block Diagram Block Diagram

OL23D0

RF Subsystem

Tx/Rx Switch

ADC

DAC

Baseband Subsystem

CPU Subsystem

MCU

RAM

ROM

Flash

IO

Crypto

■ Analog ■ Digital ■ Memory

View additional information for Trimension® OL23D0: Fully Customizable UWB Controller for IoT.

Note: The information on this document is subject to change without notice.