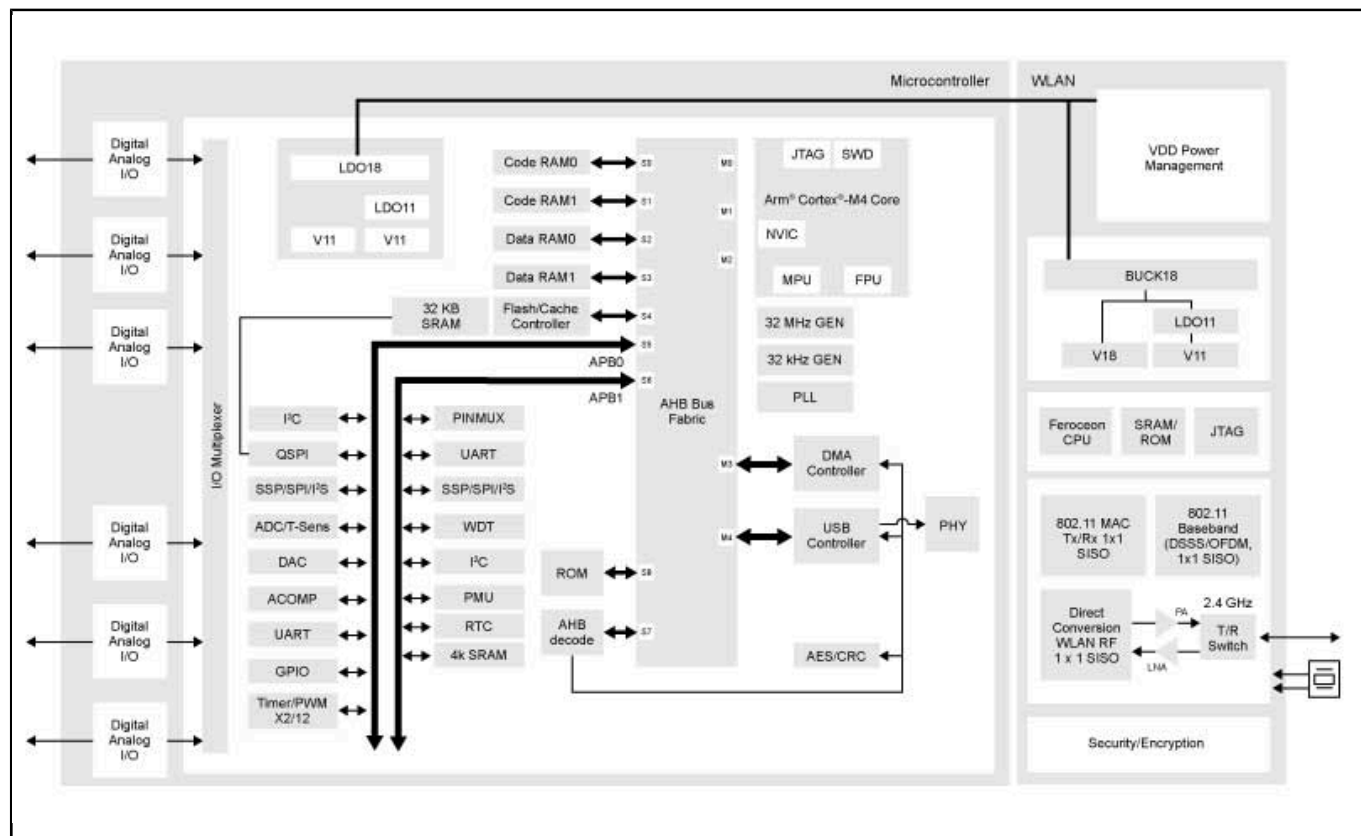# 88MW32X 802.11n Wi-Fi® Microcontroller SoC

88MW32X

Last Updated: Dec 23, 2025

The 88MW320/322 Wi-Fi® Microcontroller system-on-chip (SoC) is a highly integrated, low-power chip with a full-featured microcontroller built using Arm® Cortex®-M4F CPU and 802.11 b/g/n Wi-Fi®. Designed for a broad array of smart devices for home, enterprise and industrial automation, and smart accessories, the SoC is optimized for:

- Ultra low system cost
- Low-power operation including enabling battery operated devices
- Secure operation
- Enabling feature-rich functionality enabling manufacturers to create innovative, differentiated products and services
- 88MW32x is supported by AWS IoT Starter SDK and MCUXpresso SDK.

Wireless modules based on the NXP 88MW32X are offered by leading module manufacturers.

88MW32X Block Diagram Block Diagram

View additional information for 88MW32X 802.11n Wi-Fi® Microcontroller SoC.

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