FRDM Automotive S32K312 Development Board for General Purpose

FRDM-A-S32K312 UPDATED

Active

Last Updated: Mar 16, 2026

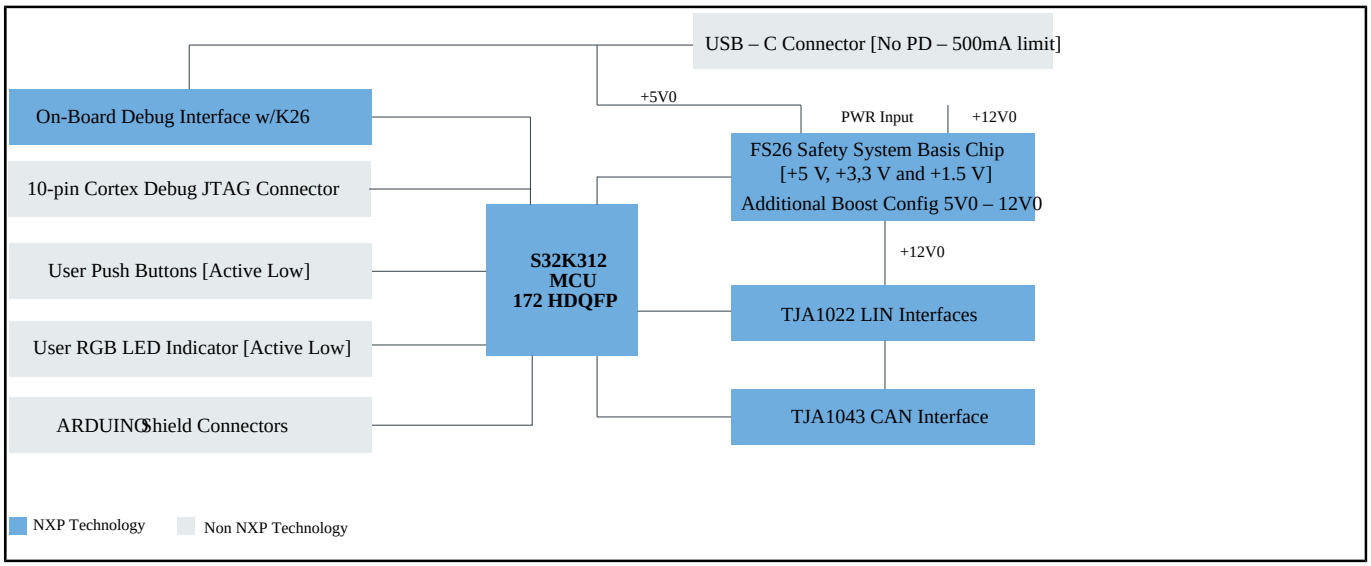
S32K312MINI#EVB Renamed to FRDM#A#S32K312: Now part of the FRDM Automotive Ecosystem under its new name, the board keeps the same hardware and adds full ecosystem compatibility for flexible, scalable development.

The FRDM-A-S32K312 is a development board for general-purpose industrial and automotive applications.

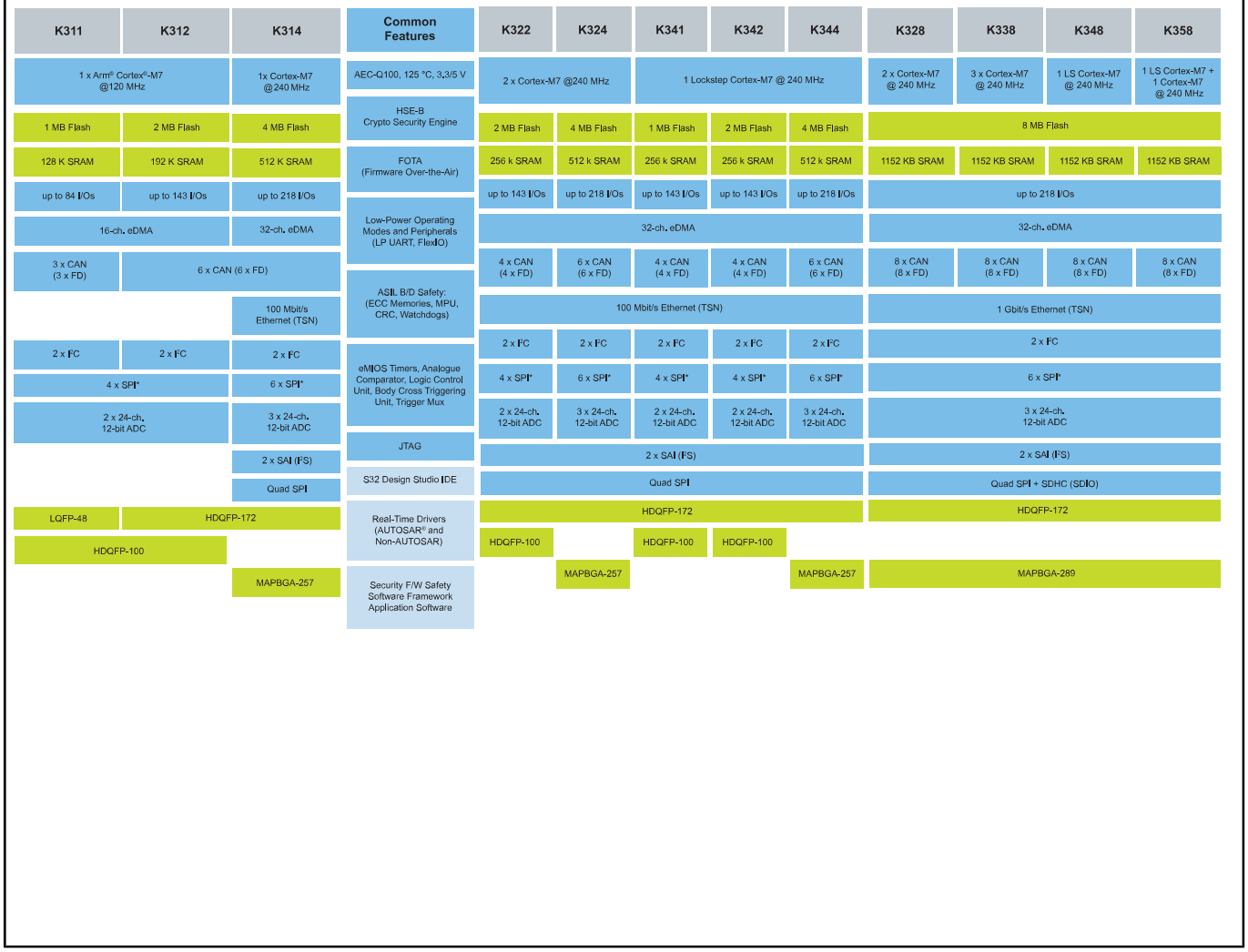
Based on the 32-bit Arm® Cortex®-M7 S32K3 microcontroller unit (MCU) in a 172 High Density Quad Flat Package (HDQFP) package, the FRDM-A-S32K312 offers a single-core mode, Hardware Security Engine (HSE), over-the-air (OTA) support, advanced connectivity and low-power.

The FRDM-A-S32K312 offers a standard-based form factor compatible with the Arduino® UNO pin layout, providing a broad range of expansion board options for quick application prototyping and demonstration.

FRDM-A-S32K312 Development Board Block Diagram



S32K3 Family Block Diagram



View additional information for FRDM Automotive S32K312 Development Board for General Purpose.

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