

FRDM Automotive S32K358 Development Board for General Purpose

FRDM-A-S32K358

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The FRDM Automotive (A) S32K358 is a development board for general-purpose industrial and automotive applications. Built around the S32K358 microcontroller (MCU) in a compact 289-ball grid array (BGA) package, the FRDM Automotive [S32K3](#) platform delivers the performance, safety and flexibility needed for next-generation body, zonal control, electrification and mobility applications. It features dual 32-bit Arm® Cortex®-M7 cores operating in lockstep to support ASIL D functional safety, plus an additional Arm Cortex-M7 core running at up to 240 MHz for enhanced processing flexibility.

With up to 8 MB of on-chip Flash, Hardware Security Engine (HSE)–B, over-the-air (OTA) update support, advanced connectivity, an integrated floating-point unit (FPU) and low-power capabilities, the platform supports secure, efficient, and scalable system development.

The FRDM-A-S32K358 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 Automotive S32K358 Development Board Block Diagram



View additional information for [FRDM Automotive S32K358 Development Board for General Purpose](#).

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