The Automotive Math and Motor Control Library (AMMCLib) set provides essential building blocks for rapid development of automotive embedded applications with high-performance arithmetic, trigonometric, digital signal processing, and math functions. The AMMCLib is available as a production-ready precompiled or source code package.

A significant portion of the AMMCLib supports both sensor-based and sensorless motor control applications; it also assists with fixed-point fractional 16/32-bit and single-precision floating-point arithmetic. All AMMCLib functions come with MATLAB® and Simulink® bit-accurate models for model-based design, simulation, and code generation supporting Embedded Coder®.
Automotive General Software Block Diagram

SERVICES / APPLICATION SOFTWARE

MIDDLEWARE

OS / DRIVERS / SAFETY

HYPERVISOR (if available)

ARM CORTEX CORE(S)

FIRMWARE / HW ACCELERATORS

View additional information for Automotive Math and Motor Control Library (AMMCLib).

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