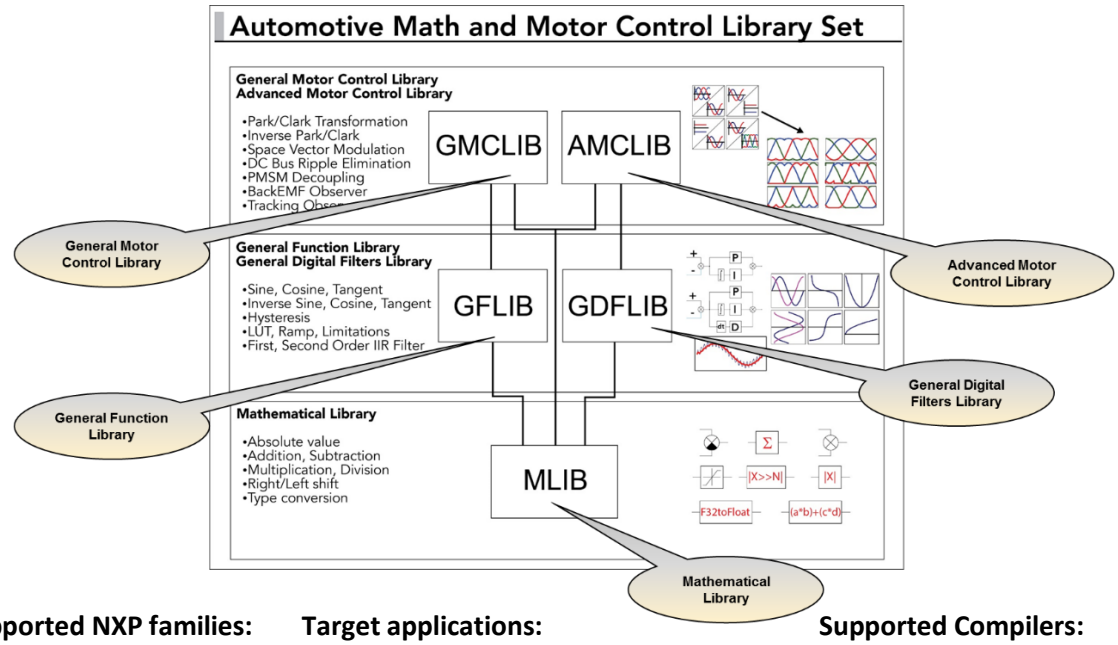
Automotive Math and Motor Control Library Set

The Automotive Math and Motor Control Library set (AMMCLib) is a collection of easy to use production-ready software libraries tailored for motor control applications. AMMCLib offers five groups of functions:



Supported NXP families:

- MPC560xB MCU
- MPC560xP MCU
- MPC564xL MCU
- MPC567xF MCU
- MPC567xK MCU
- MPC574xC MCU
- MPC574xG MCU
- MPC574xP MCU
- MPC574xR MCU
- MPC577xC MCU
- MPC577xK MCU
- MPC577xM MCU
- MC9S12ZVM MCU
- S32K14x MCU
- KEAx MCU
- S32V234 MCU

Target applications:

- Motor/actuator control
- Advanced motor control
- General mathematical

Library Features:

- Production grade software maturity: SPICE Level 3, ISO9001/TS16949.
- Assembly-level optimized code.
- 16-bit, 32-bit fixed point and single precision floating point support.
- MatLab/Simulink models for all functions.

Supported Compilers:

- CodeWarrior Eclipse IDE
- Green Hills MULTI® Software
- WindRiver® Diab
- Cosmic Software
- IAR for ARM
- GCC for ARM and Power Architecture
- Linaro for ARM (Aarch64)

Free evaluation AMMCLib binaries are supplied with the S32 Software Development Kit (SDK). Get the free evaluation as well as production version of the AMMCLIB as a standalone product at www.nxp.com/AutoMCLib