MCUXpresso SDK for Motor Control
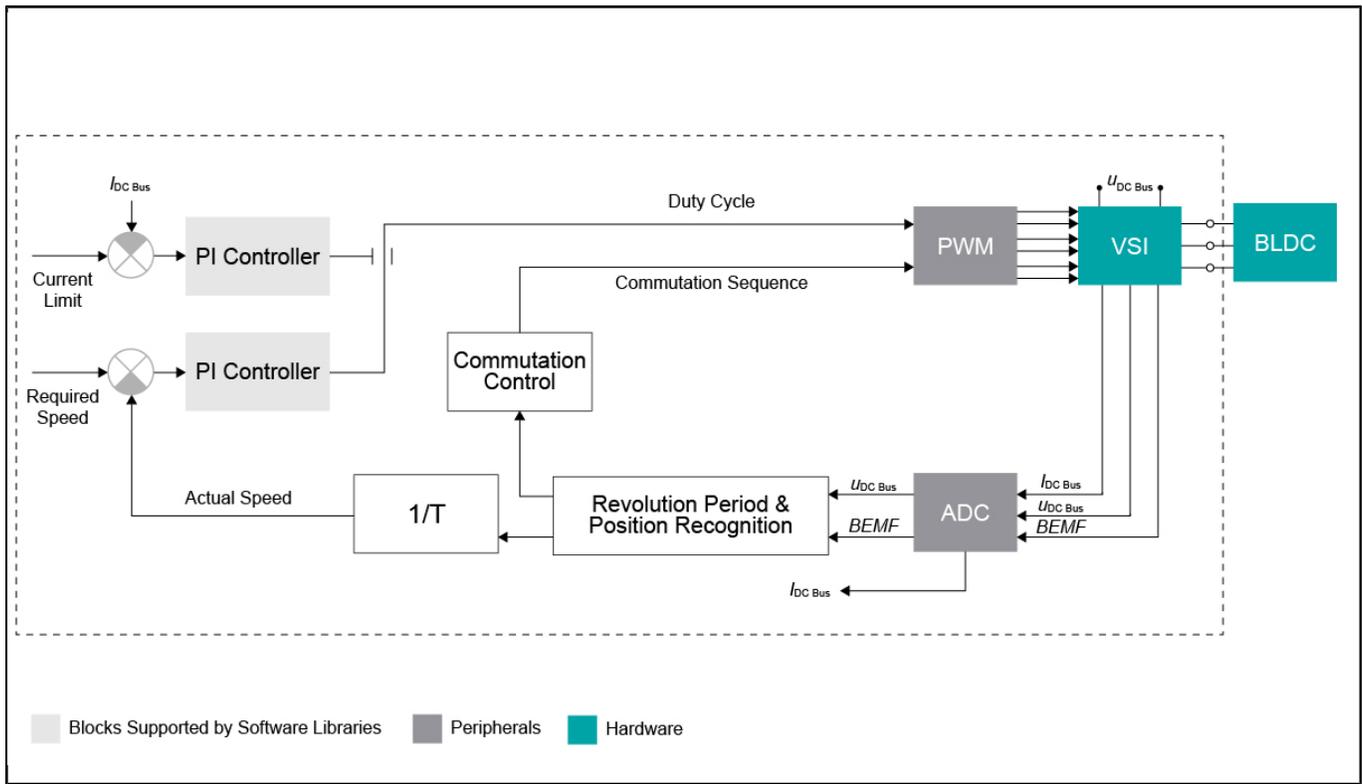
MCUXPRESSO-SDK-MOTOR-CONTROL

Last Updated: Feb 28, 2026

The MCUXpresso SDK includes multiple example projects with motor control. The example description document and link to MCUXpresso SDK Builder for corresponding SDK package is available in the product catalog table on this page.
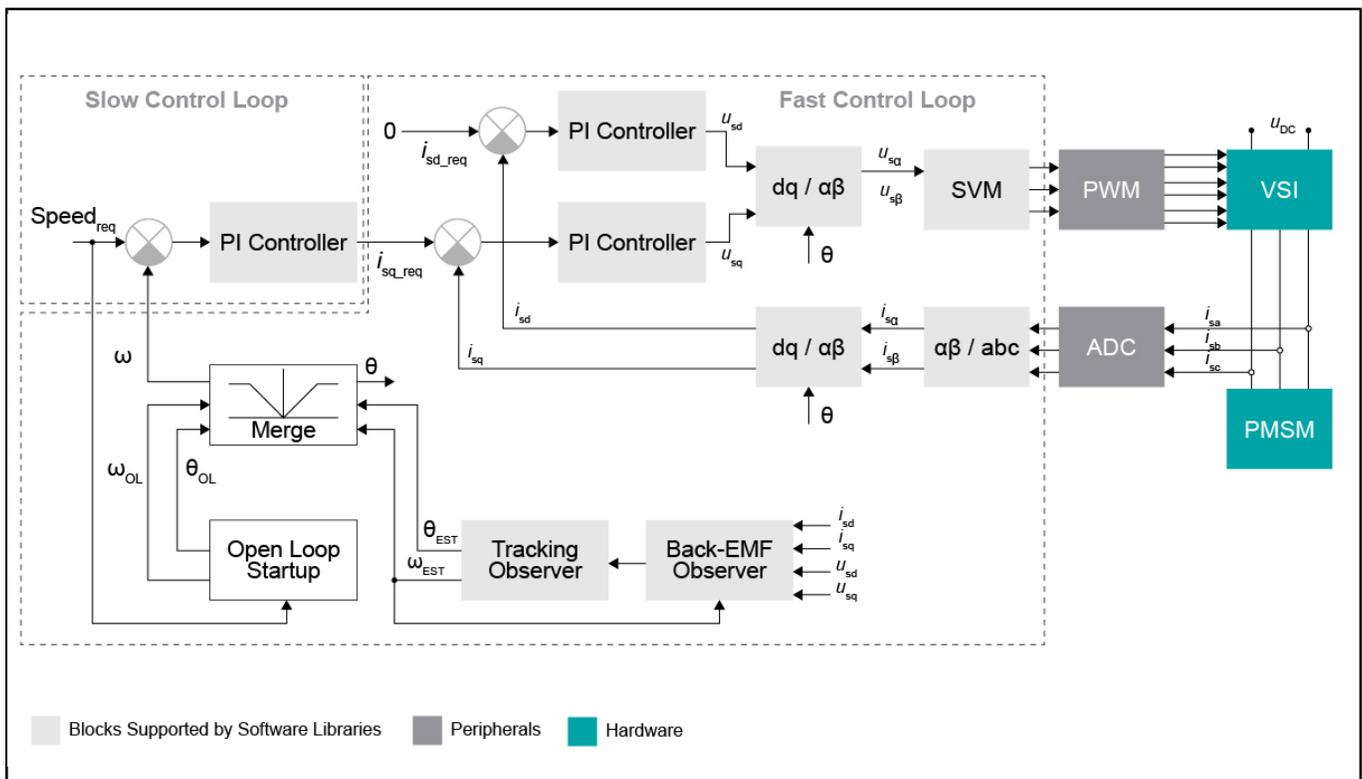
The Motor Control middleware provides application examples for following motor types:

- PMSM (permanent magnet synchronous motors) - field-oriented (sinusoidal) control
- BLDC (brushless DC) motors - field-oriented (sinusoidal) or six-step (trapezoidal) control
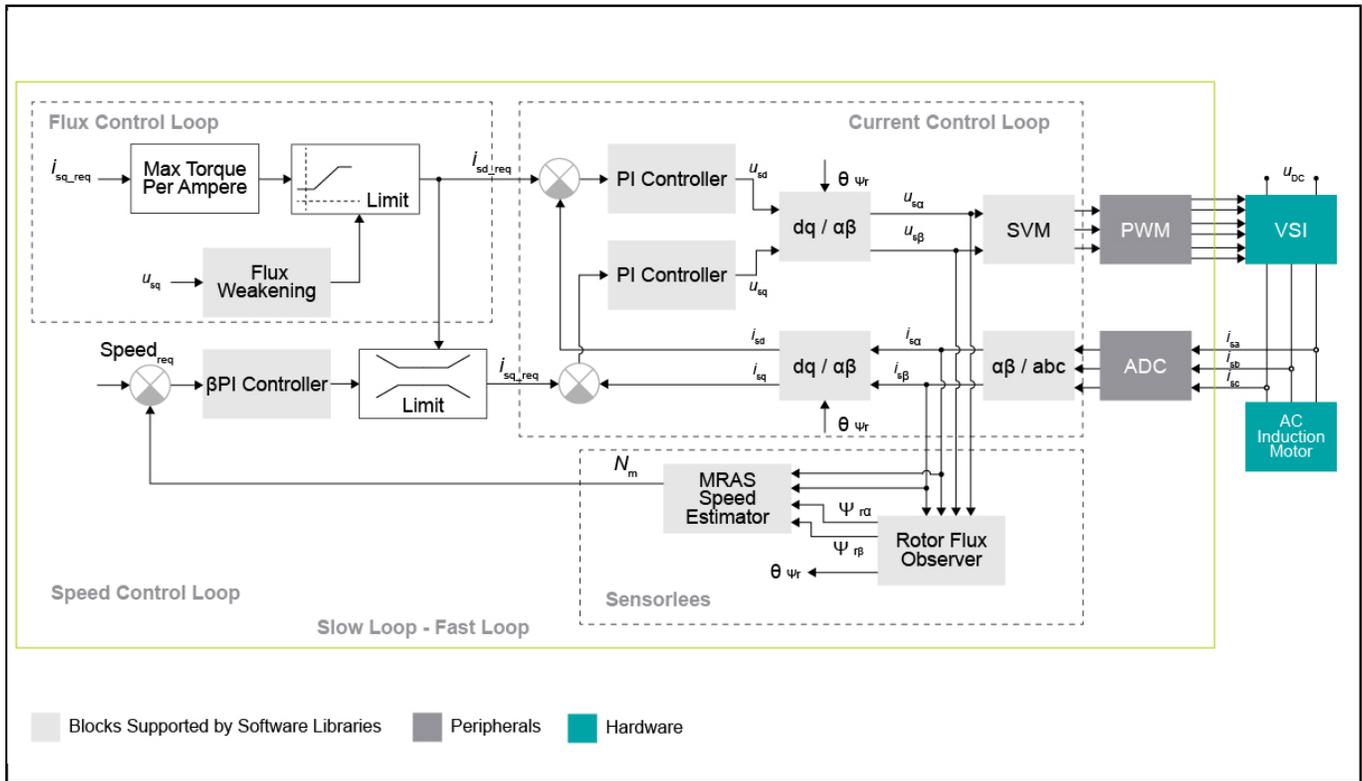- ACIM (AC induction motor) - field-oriented (sinusoidal) control

3-Phase Brushless DC Motor Control Block Diagram Block Diagram

Legend: Blocks Supported by Software Libraries | Peripherals | Hardware

3-Phase PMSM Sensorless Control Block Diagram Block Diagram

Legend: Blocks Supported by Software Libraries | Peripherals | Hardware

3-Phase AC Induction Motor Control Block Diagram Block Diagram

View additional information for MCUXpresso SDK for Motor Control.

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