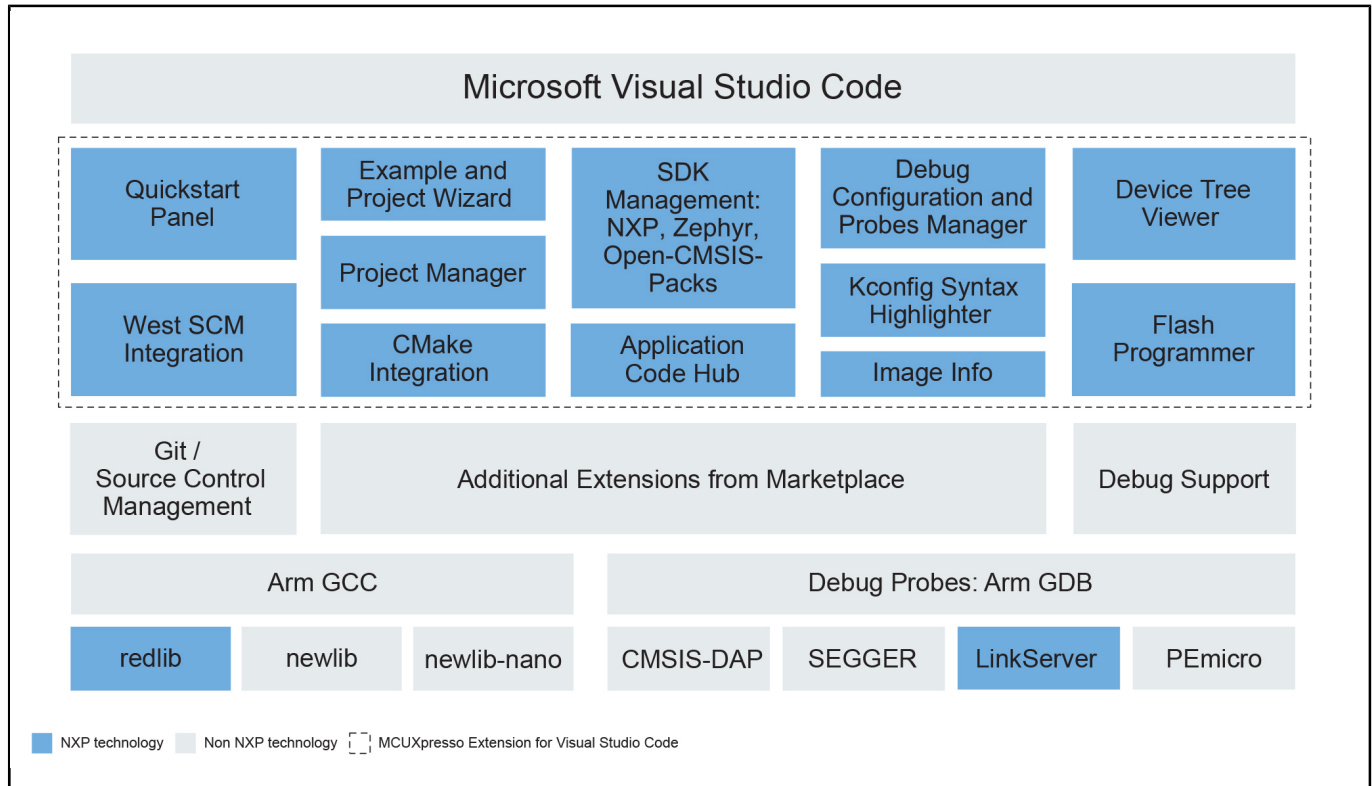# MCUXpresso for Visual Studio Code

MCUXPRESSO-VSC

Last Updated: Apr 24, 2024

MCUXpresso for Visual Studio Code (VS Code) provides an optimized embedded developer experience for code editing and development. MCUXpresso for VS Code supports NXP MCUs based on Arm® Cortex®-M cores including MCX, LPC, Kinetis and i.MX RT. MCUXpresso for VS Code allows developers the flexibility to work on projects from Zephyr, or MCUXpresso SDK in conjunction with Open-CMSIS-Packs.

The VS Code extension organizes relevant information including installed SDK repositories, available debug probes, user projects and links to help get started. A popular QuickStart panel provides access to the most popular actions. Intellisense improves upon standard auto-complete and auto-format features. The debug view provides access to breakpoints, variable/register views, call stack and thread awareness while using normal debug controls to step through the code. MCUXpresso for VS Code supports debug connections with probes from NXP, PEmicro and SEGGER®.

For more information on NXP support for Visual Studio Code please review the resources below and visit our Community Forum.

MCUXpresso for Visual Studio Code Block Diagram

Microsoft Visual Studio Code

Quickstart Panel	Example and Project Wizard	SDK Management: NXP, Zephyr, Open-CMSIS-Packs	Debug Configuration and Probes Manager	Device Tree Viewer
	Project Manager		Kconfig Syntax Highlighter	
West SCM Integration	CMake Integration	Application Code Hub	Image Info	Flash Programmer

Git / Source Control Management	Additional Extensions from Marketplace	Debug Support

Arm GCC	Debug Probes: Arm GDB

redlib	newlib	newlib-nano	CMSIS-DAP	SEGGER	LinkServer	PEmicro

NXP technology Non NXP technology MCUXpresso Extension for Visual Studio Code

View additional information for MCUXpresso for Visual Studio Code.

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