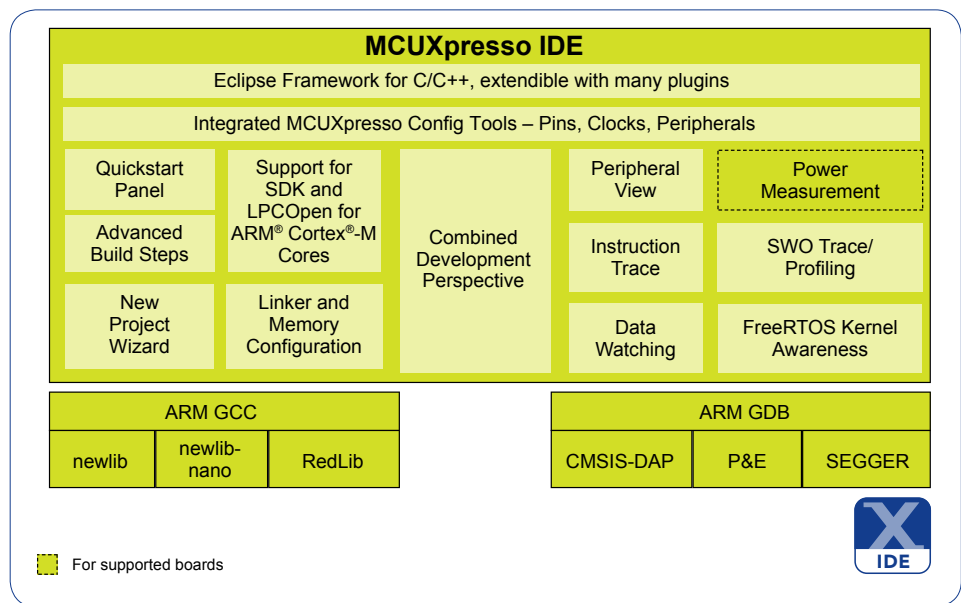


FEATURES

- ▶ A free-of-charge, code size unlimited IDE for Kinetis and LPC MCUs and i.MX RT crossover processors
- ▶ Based on extensible and feature rich Eclipse IDE with specific enhancements to simplify MCU application development and debugging
- ▶ Industry-standard GNU toolchain with a choice of libraries: ARM newlib C/C++ library, ARM newlib-nano library, and optimized small footprint NXP RedLib library.
- ▶ Single installation image with on-demand SDK and device support files
- ▶ SDK Wizard to create and clone projects
- ▶ Combined support for LPCOpen and Kinetis SDK v2
- ▶ Drag & Drop importing of projects and MCUXpresso SDK packages
- ▶ Integrated configuration tools for easy editing of pins, clocks and peripherals
- ▶ Support for CMSIS-DAP debug probes, including NXP's LPC-Link2, P&E Micro and SEGGER
- ▶ SWO trace for NXP's LPC-Link2, P&E (recent probes) and SEGGER debug connections
- ▶ 'Faults' View to analyze Cortex-M CPU's fault registers and stack backtrace
- ▶ Instruction trace views supported when debugging via CMSIS-DAP, P&E Micro and SEGGER debug probes (for target MCUs with MTB or ETB hardware)
- ▶ Advanced views for SWO Trace, profiling, data watching and peripheral viewing, supported when debugging using LPC-Link2, P&E* and SEGGER probes (for target MCUs with SWO support)
- ▶ Built-in support for FreeRTOS thread aware debugging and RTOS views

MCUXpresso IDE BLOCK DIAGRAM



- ▶ GUI Flash Programming Tool, Peripheral Register View, Global Variables View, Textual/Graphical Live Variable View, Project Wizards, and many more
- ▶ Extensible with thousands of Eclipse plug-ins-
- ▶ Advanced views for instruction trace, SWO Trace, profiling, data watching and peripheral viewing
- ▶ Supported host operating systems:
 - Microsoft® Windows® 7/8/10
 - Ubuntu Linux® (64 bit)
 - Mac OS X 10.11 and later

* Only specific versions of P&E Micro probes. Check with P&E Micro for more details.

GET STARTED:

Learn more:

www.nxp.com/mcuxpresso/ide

Join the MCUXpresso IDE community:

<https://community.nxp.com/community/mcuxpresso/mcuxpresso-ide>

Professional Support & Services:

www.nxp.com/services

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