KEIL Development Tools

RoHS Compliant **This product is RoHS compliant.**

Keil Software

Keil Software makes C compilers, macro assemblers, real-time kernels, debuggers, simulators, integrated environments, and evaluation boards for the 8051, 251, ARM, and XC16x/C16x/ST10 microcontroller families.

| MDK-ARM | MCB2388U | MBED-005.1 | MCBSTM32E | ULINK2 |
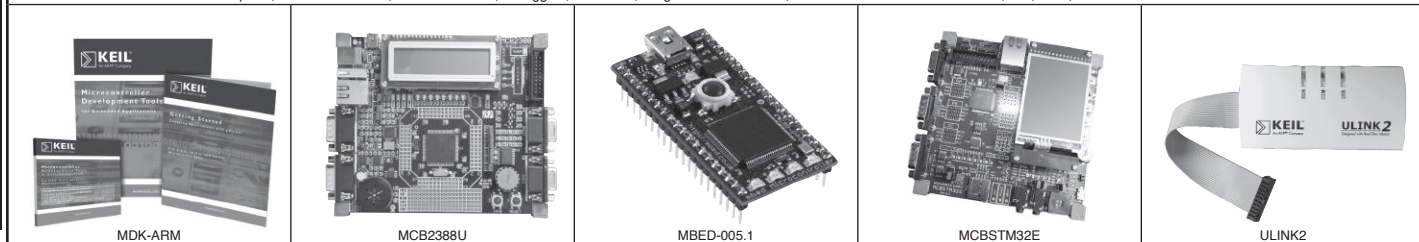
ARM® MCU DEVELOPMENT TOOLS FOR ARM-POWERED DEVICES

- Supports Cortex-M0, Cortex-M1, Cortex-M3, Cortex-M4, ARM7, and ARM9 devices
- µVision IDE, debugger and simulation environment
- ARM industry-leading C/C++ compiler from ARM
- MicroLib highly optimized run-time library
- Real-Time Trace for Cortex-M3 processor based devices
- Keil RTX – deterministic Real-Time Operating System

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MDK-ARM	MDK-ARM	RealView Microcontroler Development Kit - Includes C/C++ Compiler, Assembler, µVision, RTT	
830-MDK-ARM-B	MDK-ARM-B	RealView Microcontroler Development Kit - Includes C/C++ Compiler, Assembler, µVision, RTT (256K Code Limit)	
830-RL-ARM	RL-ARM	RealView Real-Time Library - RTX-ARM Kernel Source Code, Flash File System, TCP/IP Networking Libraries	

ARM® MCU DEVELOPMENT TOOLS FOR NXP DEVICES

- Wide range of evaluation boards for ARM, Cortex-M3, Cortex-M0, Cortex-R4, 8051, and C166
- Hardware support for Ethernet, CAN, USB, USB Host/OTG, SD Card, serial interfaces, and QVGA LCDs
- Example projects save you time and help you begin the boards peripherals straight away
- Available as starter kits which include a ULINK-ME debug adapter
- All boards and starter kits include evaluation software, cables. documentation, and example programs
- Choose from the list of boards or use the architecture comparisons to select a suitable board

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MCB1750	MCB1750	LPC175x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB1750U	MCB1750U	LPC175x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2100	MCB2100	LPC211x/212x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2100U	MCB2100U	LPC211x/212x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2103	MCB2103	LPC2103x Single-Board Computer with JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2130	MCB2130	LCP213x Single-Board Computer with JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2140	MCB2140	LCP214x Single-Board Computer with JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2360	MCB2360	LPC2360x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2360U	MCB2360U	LPC2360x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2387	MCB2387	LPC2387x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2387U	MCB2387U	LPC2387x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2388U	MCB2388U	Eval Board for NXP LPC2388+ULINK2	
830-MCB2388UME	MCB2388UME	LPC2388x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK-ME	
830-MCB2460	MCB2460	LPC246x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2460U	MCB2460U	LPC246x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2470	MCB2470	LPC247x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2470U	MCB2470U	LPC247x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2919	MCB2919	LPC2919x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2919U	MCB2919U	LPC2919x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCB2929	MCB2929	LPC2929x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCB2929U	MCB2929U	LPC2929x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MBED-005.1	MBED-005.1	Rapid Prototyping Board for NXP LPC1768 - Ethernet, USB, I2C, CAN & UART	

251 MCU DEVELOPMENT TOOLS FOR ATMEL, INTEL, AND SANYO DEVICES

- The Keil µVision Debugger accurately simulates on-chip peripherals of your 8051 device. Simulation helps you understand hardware configurations and avoids time wasted on setup problems.
- Additionally, with simulation, you can write and test applications before target hardware is available.

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MCBX51	MCBX51	8051/251 Single Board Computer - Limited 8051/251 Tools	

8051 MCU DEVELOPMENT TOOLS FOR CLASSIC AND EXTENDED 8051 DEVICES

- Numerous example programs are included to help you get started with the most popular embedded 8051 devices.
- When starting a new project, simply select the microcontroller you use from the Device Database and the µVision IDE sets all compiler, assembler, linker, and memory options for you.

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK51	PK51	C51 V8 Professional Developer's Suite - Includes A51 + CA51, Assembler, Utilities, Target Debuggers and µVision IDE	
830-CA51	CA51	C51 V8 Compiler - Includes C Compiler & uVision	
830-A51	A51	A51 V8 Assembler - Includes Assembler, Utilities, and µVision IDE	
830-MCBX51	MCBX51	8051/251 Single Board Computer - Limited 8051/251 Tools with Assemble/Compiler/Debug/Simulator/Monitor	
830-MCB900	MCB900	Flexible Prototype Board for Phillips P89LPC93x - Includes µVision LPC Studio and 4K - Limited Tools	
830-MCB950	MCB950	Evaluation Board for the NXP LPC95x Microcontroller Family	
830-MCB950UME	MCB950UME	Evaluation Board for the NXP LPC95x Microcontroller Family + ULINK-ME	
830-EPM900	EPM900	Emulator/Programmer for Philips 89LPC9xx - Includes µVision LPC Studio and 4K - Limited Tools	

MCU DEVELOPMENT TOOLS FOR XC16X / C16X / ST MICROELECTRONICS

- Wide range of evaluation boards for ARM, Cortex-M3, Cortex-M0, Cortex-R4, 8051, and C166
- Hardware support for Ethernet, CAN, USB, USB Host/OTG, SD Card, serial interfaces, and QVGA LCDs
- Example projects save you time and help you begin using the boards peripherals straight away
- Available as starter kits which include a ULINK-ME debug adapter
- All boards and starter kits include evaluation software, cables. documentation, and example programs
- Choose from the list of boards or use the architecture comparisons to select a suitable board

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK166	PK166	C166 V5 Pro Developer's Suite - Includes all components of the CA166 + µVision Simulator and Target Debugger	
830-CA166	CA166	C166 V5 Compiler - Includes all components of the A166 + CA166 Compiler, EC++ Compiler & uVision	
830-MCBSTM32E	MCBSTM32E	STM32F103ZE Single-Board Computer with USB, CAN, MicroSD, UART & JTAG - Includes Evaluation Keil ARM Tools	
830-MCBSTM32EU	MCBSTM32EU	STM32F103ZE Single-Board Computer with USB, CAN, MicroSD, UART & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCBSTR7	MCBSTR7	STR710x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCBSTR7U	MCBSTR7U	STR710x Single-Board Computer with USB, CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCBSTR730	MCBSTR730	STR730FZ2x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools	
830-MCBSTR730U	MCBSTR730U	STR730FZ2x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCBSTR750	MCBSTR750	STR750FV2x Single-Board Computer with USB, CAN, MicroSD & JTAG - Includes Evaluation Keil ARM Tools	
830-MCBSTR750U	MCBSTR750U	STR750FV2x Single-Board Computer with USB, CAN, MicroSD & JTAG - Includes Evaluation Keil ARM Tools & ULINK2	
830-MCBSTR9	MCBSTR9	STR912FAWx Single-Board Computer with USB, CAN, MicroSD & JTAG - Includes Evaluation Keil ARM Tools	
830-MCBXC167-BASIC	MCBXC167-BASIC	XC167 Single-Board Computer with CAN, Ethernet & JTAG (Limited) - Includes Evaluation Keil XC16x/C16x/ST10 Tools	

ULINK / PC-LINT DEBUGGERS AND SYNTAX CHECKER

- Download programs to your target hardware
- Examine memory and registers
- Single-step through programs and insert multiple breakpoints
- Run programs in real-time
- Program Flash Memory
- Connect using JTAG or Serial Wire modes
- On-the-fly debug of ARM Cortex-M based devices
- Examine Trace information from ARM Cortex-M3 and Cortex-M4 devices

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-ULINK2	ULINK2	USB-JTAG Adapter - On-chip Debugging (using on-chip JTAG, SWD, or SWV) + Flash Memory Programming	
830-ULINKPRO	ULINKPRO	USB-JTAG Trace Adapter - Instruction Trace, Serial Wire Debug & JTAG Support	
830-PC-LINT-V9	PC-Lint-V9	PC-LINT Syntax Checking Utility - Error Detection Software	