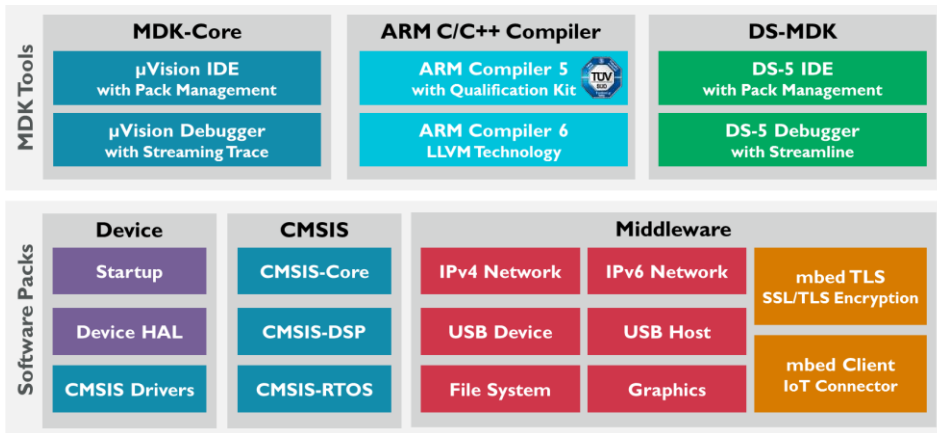


Microcontroller Development Kit

ARM® KEIL®

Microcontroller Tools



MDK-Core is based on µVision with leading support for Cortex-M devices while **DS-MDK** contains the Eclipse-based DS-5 IDE/Debugger and supports 32-bit Cortex-A processors or hybrid systems with 32-bit Cortex-A and Cortex-M.

Software Packs may be added any time to MDK-Core or DS-MDK making new device support and middleware updates independent from the toolchain. They contain device support, CMSIS libraries, middleware, board support, code templates, and example projects.

<http://www.keil.com/mdk5/version520>

MDK – Edition	Professional	Plus	Cortex-M
µVision Editor, Debugger with Trace Eclipse-based DS-5 IDE and Debugger Fixed Virtual Platforms Simulation Models	✓ ✓ ✓	✓	✓
ARM C/C++ Compiler	with Compiler Safety Package ✓	✓	✓
Device Support	Cortex-M series, Cortex-R4, SecurCore, ARM7, 9 32 bit Cortex-A Cortex-A/Cortex-M ARMv8-M Support (Q3/2016)	Cortex-M series, Cortex-R4, SecurCore, ARM7, 9	Cortex-M series
CMSIS- RTX RTOS including source code	✓	✓	✓
Middleware IPv4 Network, USB Device, File System, Graphics IPv4/IPv6 Network, USB Host, mbed components	✓ ✓	✓	
3 rd party RTOS awareness	✓	✓	✓
Order Code - node-locked			
<ul style="list-style-type: none"> Package, perpetual Download, perpetual Package, 1 year limited Download, 1 year limited 	MDK-PRO MDK-PRO-LC MDK-PRO-T MDK-PRO-T-LC	MDK-PLUS MDK-PLUS-LC MDK-PLUS-T MDK-PLUS-T-LC	MDK-ARM-CM MDK-ARM-CM-LC MDK-ARM-CM-T MDK-ARM-CM-T-LC
Order Code - floating			
<ul style="list-style-type: none"> Package, perpetual Download, perpetual 	MDK-PRO-F MDK-PRO-F-LC	MDK-PLUS-F MDK-PLUS-F-LC	MDK-ARM-CM-FL MDK-ARM-CM-FL-LC
Order Code – Flex-LM floating			
<ul style="list-style-type: none"> Package, perpetual Download, perpetual Package, 1 year limited Download, 1 year limited 	MDKPR-KT-40000 MDKPR-KD-40000 MDKPR-KT-40001 MDKPR-KD-40001	MDKPL-KT-40000 MDKPL-KD-40000 MDKPL-KT-40001 MDKPL-KD-40001	MDKCM-KT-40000 MDKCM-KD-40000 MDKCM-KT-40001 MDKCM-KD-40001

Debug and Trace

MDK supports hardware debugging and Flash programming via the following Debug/Trace Adapters:

- Keil ULINK Series
- PE-Micro
- Nuvoton Nu-Link
- Segger J-LINK, J-Trace
- STMicroelectronics ST-LINK
- CMSIS-DAP based adapters from Atmel, NXP and others

ULINK^{pro} provides trace streaming for Cortex-M3/M4/M7 based microcontrollers and provides the following debug analysis features:

- Event Viewer
- Instruction Trace
- Complete Code Coverage
- Execution Profiling
- Performance Analyser

Related Products

- Evaluation Boards for the Cortex-M series from Keil, Atmel, NXP, STMicroelectronics, and Nuvoton
- Keil/ARM ULINK2 Debug Adapter
- Keil/ARM ULINK^{pro} Debug/Trace Adapter

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