

NXP

www.keil.com/NXP

NEW! LPCXpresso LPC5411x Cortex®-M4 and Cortex-M0+

NEW! Keil MCB5411™ board with NXP LPC5411

LPCXpresso LPC800 Cortex-M0+

MCB1700™

CAN Primer using NXP LPC1700:

Keil MCB4300™ board with NXP LPC4300

NGX Xplorer Evaluation board LPC4300

www.keil.com/appnotes/docs/apnt_294.asp

www.keil.com/appnotes/docs/apnt_295.asp

www.keil.com/appnotes/docs/apnt_237.asp

www.keil.com/appnotes/docs/apnt_246.asp

www.keil.com/appnotes/files/apnt_247.pdf

www.keil.com/appnotes/docs/apnt_241.asp

www.keil.com/appnotes/docs/apnt_233.asp

NXP (Freescale)

www.keil.com/NXP

KL25Z Freedom

K20D50M Freedom

Kinetis K60N512 Tower

NEW! Kinetis K60D100M Tower

NEW! Kinetis TWR K64 Tower

NEW! Kinetis FRDM K64 Freedom

Kinetis FlexMemory configuration using MDK

MCUXpresso (Kinetis Expert) Projects for μVision™

MQX with Keil μVision Kernel Awareness

www.keil.com/appnotes/docs/apnt_232.asp

www.keil.com/appnotes/docs/apnt_243.asp

www.keil.com/appnotes/docs/apnt_239.asp

www.keil.com/appnotes/docs/apnt_249.asp

www.keil.com/appnotes/docs/apnt_288.asp

www.keil.com/appnotes/docs/apnt_287.asp

www.keil.com/appnotes/files/apnt220.pdf

see the Kinetis FRDM K64 lab

www.keil.com/freescale/mqx.asp

STMicroelectronics

www.keil.com/st

NEW! STM32F7 Discovery and Eval board:

STM32F4-Discovery board

CAN Primer using STM32F4 Discovery Board

STM32F429I Discovery board

USB and Graphics configuration for STM32F429I

MCBSTM32C™

STM3240G-EVAL

www.keil.com/appnotes/docs/apnt_280.asp

www.keil.com/appnotes/docs/apnt_230.asp

www.keil.com/appnotes/docs/apnt_236.asp

www.keil.com/appnotes/docs/apnt_253.asp

www.keil.com/appnotes/docs/apnt_268.asp

www.keil.com/appnotes/docs/apnt_245.asp

www.arm.com/files/pdf/STM3240G_LAB.pdf V 0.91

Atmel

www.keil.com/atmel

NEW! SAM V7 Cortex-M7

SAM3S-EK

SAM3X-EK

SAM4S-EK

www.keil.com/appnotes/docs/apnt_274.asp

www.keil.com/download/files/sam3s_ek_lab2.pdf V 4.5

www.keil.com/appnotes/docs/apnt_229.asp

www.keil.com/appnotes/docs/apnt_228.asp

Infineon

www.keil.com/infineon

XMC1100 2Go

XMC1200 Boot Kit

Hitex Hi-Light board with Infineon XMC4000

Using Infineon DAve with Keil MDK

www.keil.com/appnotes/docs/apnt_260.asp

www.keil.com/appnotes/docs/apnt_263.asp

www.keil.com/appnotes/docs/apnt_231.asp

www.keil.com/appnotes/files/apnt_227.pdf

Maxim Integrated

www.keil.com/maxim/

ZEUS MAX71637

www.keil.com/appnotes/docs/apnt_265.asp

Microsemi

www.keil.com/microsemi

SmartFusion

SmartFusion2

www.keil.com/appnotes/docs/apnt_208.asp

www.keil.com/appnotes/docs/apnt_238.asp

NEW! Texas Instruments

www.keil.com/ti

MSP432

www.keil.com/appnotes/docs/apnt_276.asp

Many of these labs use MDK 4. To use these labs with MDK 5, download the Legacy support: www.keil.com/mdk5/legacy

You can also migrate to MDK 5 (recommended). Instructions are provided after loading a MDK 4 project into MDK 5.

Document Resources:

Books:

1. **NEW!** **Getting Started with MDK 5:** Obtain this free book here: www.keil.com/gsg/.
2. There is a good selection of books available on ARM processors. A good list of books on ARM processors is found at: www.arm.com/support/resources/arm-books/index.php
3. μ Vision contains a window titled Books. Many documents including data sheets are located there.
4. **A list of resources is located at:** www.arm.com/products/processors/cortex-m/index.php
Click on the Resources tab. Or select the Cortex-M processor you want in the Processor panel on the left.
5. Or search for the Cortex-M processor you want on www.arm.com.
6. The Definitive Guide to the ARM Cortex-M0/M0+ by Joseph Yiu. Search the web for retailers.
7. The Definitive Guide to the ARM Cortex-M3/M4 by Joseph Yiu. Search the web for retailers.
8. Embedded Systems: Introduction to Arm Cortex-M Microcontrollers (3 volumes) by Jonathan Valvano.

Application Notes:

www.keil.com/appnotes

1. ARM Compiler Qualification Kit: Compiler Safety Certification: www.keil.com/safety
2. Using Infineon DAVE with μ Vision: www.keil.com/appnotes/files/apnt_258.pdf
9. Using Cortex-M3 and Cortex-M4 Fault Exceptions www.keil.com/appnotes/files/apnt209.pdf
10. CAN Primer using NXP LPC1700: www.keil.com/appnotes/files/apnt_247.pdf
11. CAN Primer using the STM32F Discovery Kit www.keil.com/appnotes/docs/apnt_236.asp
12. Segger emWin GUIBuilder with μ Vision™ www.keil.com/appnotes/files/apnt_234.pdf
13. Porting an mbed project to Keil MDK™ www.keil.com/appnotes/docs/apnt_207.asp
14. MDK-ARM™ Compiler Optimizations www.keil.com/appnotes/docs/apnt_202.asp
15. RTX CMSIS-RTX Ports in MDK 5 Eval Version: C:\Keil_v5\ARM\Pack\ARM\CMSIS\
16. Barrier Instructions <http://infocenter.arm.com/help/topic/com.arm.doc.dai0321a/index.html>
17. Lazy Stacking on the Cortex-M4 www.arm.com and search for DAI0298A
18. Cortex-M Processors for Beginners: <http://community.arm.com/docs/DOC-8587>
19. Cortex Debug Connectors: www.keil.com/coresight/coresight-connectors
20. Sending ITM printf to external Windows applications: www.keil.com/appnotes/docs/apnt_240.asp
21. **NEW!** Migrating from Cortex-M3/M4 to Cortex-M7 Processors: www.keil.com/appnotes/docs/apnt_270.asp
22. **NEW!** ARMv8-M Architecture Technical Overview <https://community.arm.com/docs/DOC-10896>
23. **NEW!** Using ARM TrustZone® on ARMv8-M www.keil.com/appnotes/docs/apnt_291.asp

Useful ARM Websites:

1. CMSIS 5 Standard GitHub: https://github.com/ARM-software/CMSIS_5
2. CMSIS Information and documentation: www.arm.com/cmsis/ and www.keil.com/cmsis
3. ARM and Keil Community Forums: www.keil.com/forum and <http://community.arm.com/groups/tools/content>
4. ARM University Program: www.arm.com/university. Email: university@arm.com
5. mbed™: <http://mbed.org>

Keil Direct Sales In USA: sales.us@keil.com or 800-348-8051. **Outside the US:** sales.intl@keil.com

Keil Distributors: See www.keil.com/distis/ **DS-5 Direct Sales Worldwide:** orders@arm.com

Keil Technical Support in USA: support.us@keil.com or 800-348-8051. Outside the US: support.intl@keil.com.

For comments, additions or corrections please email bob.boys@arm.com