

The latest version of this document is here: www.keil.com/appnotes/docs/apnt_244.asp

NXP (LPC)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

NEW! S32K-148 EVAL

NEW! S32K-144 EVAL

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

www.keil.com/appnotes/docs/apnt_305.asp

www.keil.com/appnotes/docs/apnt_299.asp

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

STMicroelectronicswww.keil.com/ST

NEW! STM32F7 Discovery and Eval board:

STM32F4-Discovery board

Updated ! CAN Primer using STM32F4 Discovery Board

Updated ! STM32F429I Discovery board

USB and Graphics configuration for STM32F429I

MCBSTM32C™

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

Microchip (Atmel)www.keil.com/Microchip

NEW! SAM L10 Cortex-M23

NEW! SAM L11 ArmV8-M TrustZone® Cortex-M23

NEW! SAM V7 Cortex-M7

SAM3S-EK

SAM3X-EK

SAM4S-EK

www.keil.com/appnotes/docs/apnt_313.asp

www.keil.com/appnotes/docs/apnt_314.asp

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

Infineonwww.keil.com/Infineon

Updated ! XMC1100 2Go

XMC1200 Boot Kit

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/files/apnt_227.pdf

Maxim Integratedwww.keil.com/Maxim/

ZEUS MAX71637

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

Microsemiwww.keil.com/Microsemi

SmartFusion

Updated ! SmartFusion 2

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

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

Texas Instrumentswww.keil.com/TI

MSP432

MSP432E

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

www.keil.com/appnotes/docs/apnt_309.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. The Definitive Guide to the ARM Cortex-M0/M0+ by Joseph Yiu. Search the web for retailers.
6. The Definitive Guide to the ARM Cortex-M3/M4 by Joseph Yiu. Search the web for retailers.
7. 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
8. Using Cortex-M3 and Cortex-M4 Fault Exceptions www.keil.com/appnotes/files/apnt209.pdf
9. CAN Primer using NXP LPC1700: www.keil.com/appnotes/files/apnt_247.pdf
10. CAN Primer using the STM32F Discovery Kit www.keil.com/appnotes/docs/apnt_236.asp
11. Segger emWin GUIBuilder with μ Vision™ www.keil.com/appnotes/files/apnt_234.pdf
12. Porting an mbed project to Keil MDK™ www.keil.com/appnotes/docs/apnt_207.asp
13. MDK-ARM™ Compiler Optimizations www.keil.com/appnotes/docs/apnt_202.asp
14. RTX CMSIS-RTX Ports in MDK 5 Eval Version: C:\Keil_v5\ARM\Pack\ARM\CMSIS\
15. Barrier Instructions <http://infocenter.arm.com/help/topic/com.arm.doc.dai0321a/index.html>
16. Lazy Stacking on the Cortex-M4 www.arm.com and search for DAI0298A
17. Cortex-M Processors for Beginners: <http://community.arm.com/docs/DOC-8587>
18. Cortex Debug Connectors: www.keil.com/coresight/coresight-connectors
19. Sending ITM printf to external Windows applications: www.keil.com/appnotes/docs/apnt_240.asp
20. **NEW!** Migrating from Cortex-M3/M4 to Cortex-M7 Processors: www.keil.com/appnotes/docs/apnt_270.asp
21. **NEW!** ARMv8-M Architecture Technical Overview <https://community.arm.com/docs/DOC-10896>
22. **NEW!** Using ARM TrustZone® on ARMv8-M www.keil.com/appnotes/docs/apnt_291.asp
23. **NEW!** Determining Cortex-M CPU Speed using SWV: www.keil.com/appnotes/docs/apnt_297.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. **Forums:** www.keil.com/forum <http://community.arm.com/groups/tools/content> <https://developer.arm.com/>
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

DS-MDK: www.keil.com/mdk5/ds-mdk/ **DS5:** www.arm.com/ds5

Global Inside Sales Contact Point: Inside-Sales@arm.com **ARM Keil World Distributors:** www.keil.com/distis

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