

## Arm Cortex M3 M4 Hardware Design Training Mindshare

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### Arm Cortex M3 M4 Hardware

This is an impressive bit of code, made possible only because of the ARM Cortex M4 DSP instructions found in the Teensy 3.1. It won't run on an 8-bit micro, or even the Cortex M3-based Arduino Due.

### The Teensy Audio Library

mikroC PRO for ARM, mikroBasic PRO for ARM and mikroPascal PRO for ARM are fully-featured compilers for ARM® Cortex®-M0, M0+, M3, M4, and M7 microcontrollers. Each compiler feature ever-increasing ...

### Compilers for ARM

The portfolio includes the STM8L (8-bit proprietary core), the STM32L4 (Arm ® Cortex ®-M4), the STM32L0 (Arm ® Cortex ®-M0+) and the STM32L1 (Arm ® Cortex ®-M3). The STM32L5 MCU ... advanced cyber ...

### STM32 Ultra Low Power MCUs

This is in part thanks to the low-power ARM Cortex-M3 based microcontroller inside the ... of ARM processor on the same chip, with a Cortex-M4 processor used alongside an ARM11 processor.

### ARM® Technology Drives Wearable Innovation

Geneva, June 11, 2007 - STMicroelectronics, one of the world's leading semiconductor manufacturers, has announced a new family of 32-bit Flash Microcontrollers based on the breakthrough ARM® Cortex™-M3 ...

### STMicroelectronics Reshapes the MCU Market with New 32-Bit Family Powered by ARM Cortex-M3 Core

The M33 fits in with the high-performance M3/M4 processors, but with improved performance. The relative frequency performance between the different ARM Cortex-M processors ... a security extension ...

### An Introduction to the ARMV8-M Architecture

In effect, the E21 core is a replacement for the ARM Cortex-M3 and Cortex-M4, while the E20 is a replacement for the ARM Cortex-M0+. Just a few months ago, SiFive released a gigantic, multicore ...

### HiFive 1

Arduino has launched the Arduino Edge Control, a remote monitoring and control solution optimized for outdoor environments. In an interview ...

### **Arduino board brings intelligence to outdoor applications**

His stackable ARM Cortex-M3 design runs its own real-time platform, CoActionOS, that supports Raspberry Pi-style features like file systems and multitasking while abstracting the hardware enough ...

### **CoAction Hero board comes with its own OS, simplifies desktop coding (video)**

and services targeting popular hardware boards and system-on-chips (SoCs). The Mentor Embedded ReadyStart Platform for the Stellaris ARM Cortex-M3 9000 series of MCUs will be demonstrated at the ARM ...

### **Mentor Extends ReadyStart Embedded Software Platform to Texas Instruments' Stellaris ARM Cortex-M3 MCUs**

Though neural-network-based machine learning is escalating in popularity, the mechanics behind it tend to be misconstrued or simply not known at all.

### **Understanding the Art of Machine Learning**

a development board for the Synergy S3A1 series of microcontrollers which are based on a 48MHz Arm Cortex-M4 core. NFC physical and protocol layer operations are performed on a Panthronics PTX100R ...

### **Panthronics demo kit enables NFC reader functionality on Synergy MCU platforms**

The EOS S3 Sensor Processing Platform – EOS™ S3 Low Power, multi-core Arm® Cortex® M4 MCU + eFPGA Family ... include embedded FPGA IP (eFPGA) for hardware acceleration and pre- processing ...

### **QuickLogic Signs Global Distribution Agreement with Mouser Electronics**

This is a multi-core SoC based on low power, multi-core Arm Cortex M4 microcontroller with embedded FPGA (eFPGA ... Powered by the EOS S3, it is based on open source hardware and compatible with the ...

### **Mouser adds embedded FPGAs with QuickLogic signing**

B-Secur selected Maxim's MAX32660 Arm ® Cortex ®-M4 microcontroller for its small ... low-power sensor hub microcontroller and ECG front end hardware components. The MAX32663A ECG biometric ...

### **B-Secur Delivers Powerful ECG Algorithms and Analytics with Maxim Integrated's Electrocardiogram Biometric Sensor Hub to Speed Time to Market**

Silicon Labs' certified Wi-SUN solution combines the industry-leading EFR32 hardware platform ... to support Wi-SUN is EFR32xG12, a 32-bit Arm Cortex-M4 platform with up to 1 MB of flash and ...

### **Silicon Labs Expands IoT Wireless Portfolio with Standards-Based Wi-SUN Technology**

The initial QuickLogic products that Mouser will be stocking are as follows: The EOS S3 Sensor Processing Platform – EOS™ S3 Low Power, multi-core Arm® Cortex® M4 MCU + eFPGA Family of SoCs ...

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