Microcontroller news from STMicroelectronics

Arduino STAR OTTO board with STM32F469BIT6 MCU and Wi-Fi connectivity

Create connected systems with amazing visual and audio experience using the first Arduino board featuring an STM32F469 processor and Wi-Fi connectivity. Leveraging the high-performance graphics of the STM32F4 MCU, the STAR OTTO board (ARD-OTTO-STM32) can be equipped with a DSI display companion shield or expanded through a large ecosystem of specialized shields. It also features USB host, camera and LCD connectors as well as a micro-SD slot, headphone and speaker output, and an on-board stereo microphone. Read more

STM32 Sensor mezzanine module supports 96boards CE cards

Featuring a variety of MEMS sensors and an STM32F4 Cortex®-M4 MCU, this low-profile STM32 Sensor mezzanine module (B-F446E-96B01A) lets you prototype systems that are aware of their environment. It can be plugged onto any host board compliant with the Linaro™ 96Boards™ CE standard including Qualcomm's DragonBoard 410c. Developers benefit from a serial communication link between the module's STM32F446 and the host processor as well as the integrated ST-Link debugger/programmer and direct access to ARM® mbed™on-line resources. Read more

Download our new release of the STM32 Motor Control SDK

The STM32 PMSM FOC SDK (STSW-STM32100) Release 4.3 strengthens its Plug-and-Spin capability with an improved Motor Profiler. This update also extends support for STM32F07x and STM32F446x MCUs and includes a 3-shunt current sensing algorithm for STM32F0 devices, enhanced digital power factor correction and free RTOS support for STM32 F3 and F4 series. To help developers, we have added support for the AC6 System Workbench (SW4STM32) and a new Motor Control Nucleo Pack (P-NUCLEO-IHM002) that features an external power supply. Read more

Featured videos

Use ULPBench™ benchmark to find best MCU for your ultra-low-power design

The STM32 platform offers a highly flexible architecture making it easy to switch from one device to another to reach best-in-class ultra-low-power figures for your specific application. This video shows how to determine the best compromise between low consumption and performance using the EEMBC ULPBench™ to reliably and equitably measure MCU energy efficiency and obtain a normalized score. See how the STM32L4 series shatters performance limits in the ultra-low-power world. Watch now

Watch this comprehensive STM32 overview in just 15 minutes

The pioneer in introducing a full range of general-purpose MCUs based on ARM® Cortex®-M cores, our STM32 portfolio is composed of 10 product series, made of more than 40 product lines with a large choice of program memory or RAM with a compatible peripheral set across the board packaged with similar pinouts. Three main segments are developed with clear identification or targeted applications: high-performance, mainstream and ultra-low-power. Watch now

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STM32 & STM8 product finder app for smartphone & tablet