



FM4-176L-S6E2GM - ARM® Cortex®-M4 MCU Pioneer Kit with Ethernet and USB Host

Last Updated: Jan 21, 2016



The FM4-176L-S6E2GM MCU Pioneer Kit with Ethernet, USB and audio is a low-cost development platform for the Cypress 180MHz FM4 S6E2G-Series of ARM® Cortex MCUs. This kit enables rapid development of high-performance embedded systems using the Arduino™ Uno-compatible interface to connect Arduino shields for low-cost hardware expansion.

Featuring FM4 S6E2G-Series: ARM® Cortex-M4 MCU

- 180MHz ARM® Cortex MCU with DMA
- 608 CoreMark® MCU
- Single precision IEEE 754 compliant floating point unit
- 1MB flash, 192KB SRAM and 153 GPIOs.
- Communication interfaces: 10/100 Ethernet (IEEE 802.3), USB host, USB device, CAN, LIN, High-Speed Quad SPI, I2S, I2C and UART



Featuring Arduino™ Uno Form-factor with Onboard Sensors and CMSIS-DAP Debugger

- Arduino Uno compatible footprint
- Onboard sensors: Accelerometer and Photo Transistor
- External peripherals: Stereo codec, SRAM, Serial flash and multi-color LEDs
- CMSIS-DAP interface: Programming and debugging of the S6E2CC MCU



Kit Contents:

- FM4 S6E2G-Series Pioneer Board
- USB Standard-A to Micro-B cable
- Quick Start Guide