

Cypress FM4 Graphics Controller MCU Starter Kit



The Cypress S6E2DH series graphics controller MCU starter kit provides an easy to use, cost-effective solution to evaluate an ARM® Cortex®-M4 based microcontroller that incorporates a dedicated hardware graphics engine allowing rich display images. The board comes complete with WQVGA TFT display with a touch sensor and on-board CMSIS-DAP enabling the user to connect directly to a PC and begin development. In addition to the evaluation board, the Cypress solution includes a free-of-charge graphics authoring tool and low-level libraries for the graphics engine.

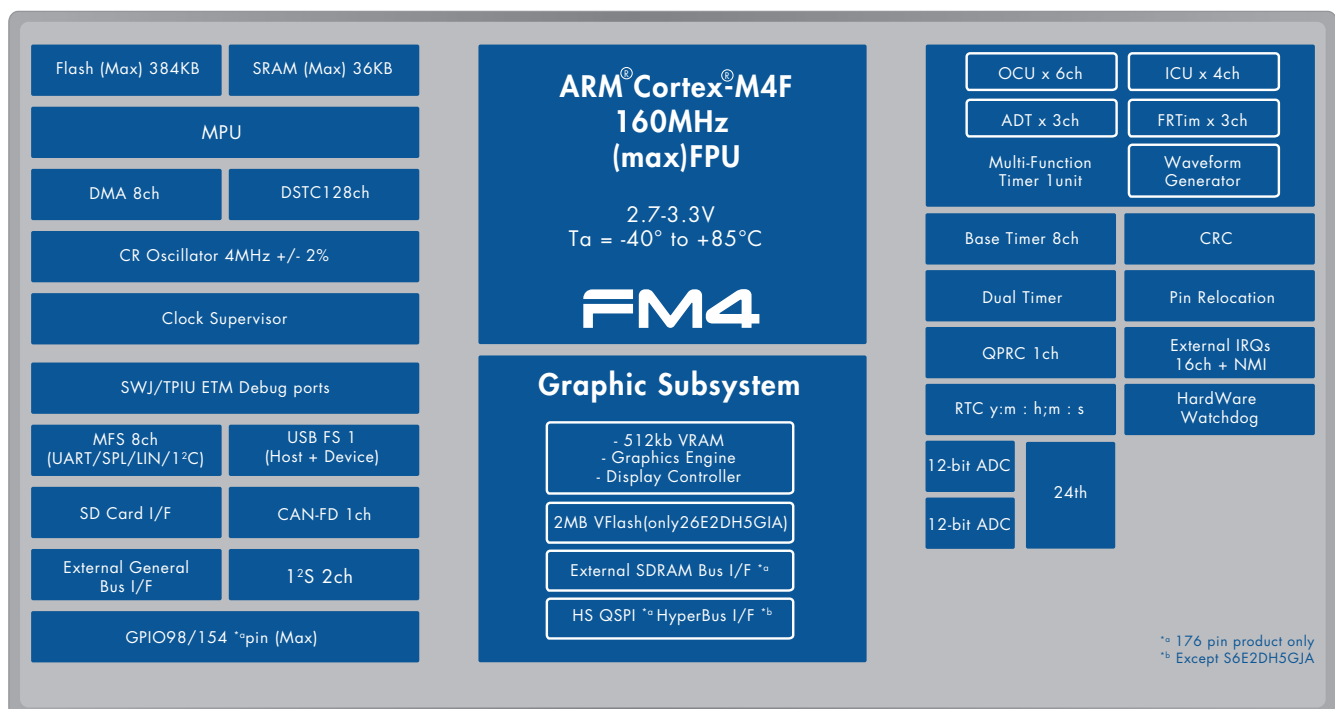
Cypress's S6E2DH MCU is ideal for embedded applications with TFT displays such as home appliances, multi-function printers, industrial equipment, electronic musical instruments and security systems.

Features

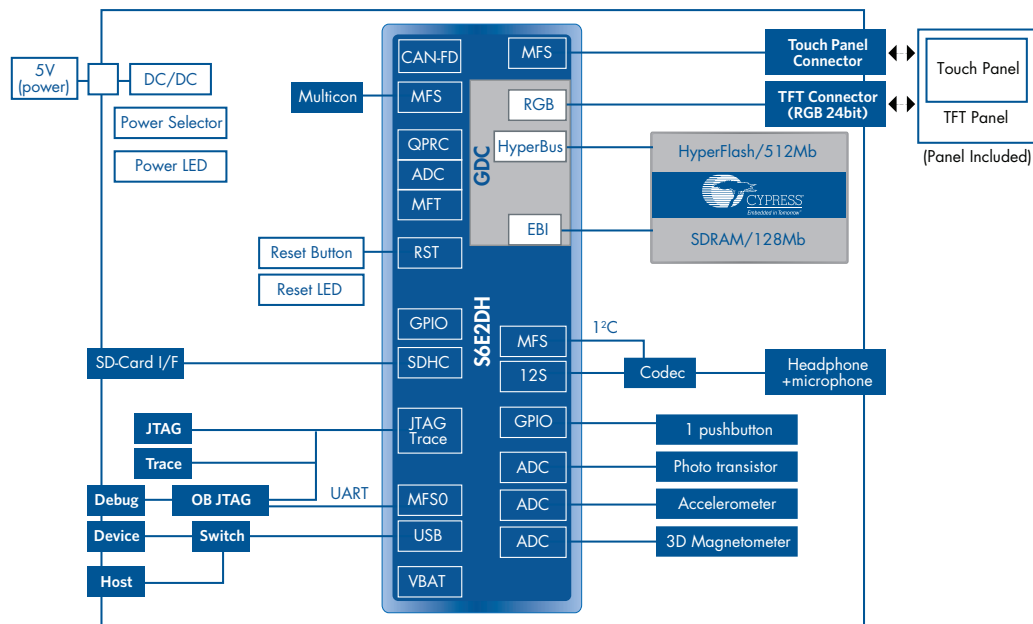
- Cypress FM4 S6E2DH MCU
- CMSIS-DAP JTAG adapter
- USB-Device (Type-B connector)
- WQVGA TFT Panel with touch
- 512MB Spansion HyperFlash™ memory for image storage
- 128MB SDRAM for external VRAM
- I²S connection to codec
- SD card interface

Part number: FM4-176L-S6E2DH

MCU block diagram / features



Starter kit block diagram

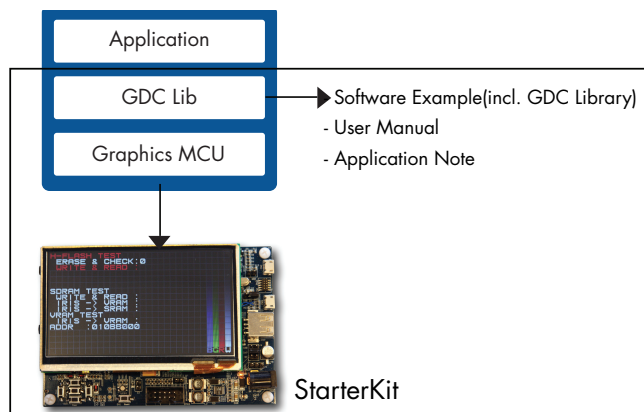


Development environment / evaluation board

Graphics Software Development environment

Development Tools
ARM (KEIL) / IAR SYSTEMS

GDC Software Architecture



Note: This document may be revised by subsequent versions or modifications due to changes in technical specifications.

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