



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MCBSTM32F400



The Keil MCBSTM32F400 Evaluation Board enables you to create and test working programs based on the STMicroelectronics STM32 F4xx series of ARM Cortex™-M4 processor-based devices.

Features

- 168MHz STM32F407IG ARM Cortex™-M4 processor-based MCU in 176-pin BGA
- On-Chip Memory: 1MB Flash & 192KB RAM
- External Memory: 8MB NOR Flash, 512MB NAND Flash, 2MB SRAM, 8KB I²C EEPROM with NFC interface
- 2.4 inch Color QVGA TFT LCD with resistive touchscreen
- 10/100 Ethernet Port
- USB 2.0 Full Speed - USB, USB-OTG, & USB Host
- USB 2.0 High Speed - USB, USB-OTG, & USB Host
- 1 CAN Interface
- Serial/UART Port
- MicroSD Card Interface
- 5-position Joystick
- 3-axis digital Accelerometer
- 3-axis digital Gyroscope
- Analog Voltage Control for ADC Input (potentiometer)
- Audio CODEC with Line-In/Out and Speaker/Microphone
- Digital Microphone
- Digital VGA Camera
- Push-Buttons for Reset, Wakeup, Tamper and User
- 8 LEDs directly connected to port pins
- Power Supply via:
 - High Speed and Full Speed USB (micro) connectors
 - Power jack (8V-12V) with Voltage Regulator capable to supply both USB host interfaces (500mA each)
- Debug Interface [Connectors](#)
 - 20 pin JTAG (0.1 inch connector)
 - 10 pin Cortex debug (0.05 inch connector)
 - 20-pin Cortex debug + ETM Trace (0.05 inch connector)



Evaluation Software

The MCBSTM32F400 Evaluation Board and Starter Kit include the [MDK-Lite](#) development tools. These tools help you get started writing programs and testing the microcontroller and its capabilities. Sample applications that run on the MCBSTM32F400 and a Quickstart guide are included.

Ordering Information

The MCBSTM32F400 is available as a stand alone evaluation board or as a **starter kit** which includes the [ULINK-ME](#) debug adapter.

- **MCBSTM32F400**: MCBSTM32F400 evaluation board
- **MCBSTM32F400UME**: MCBSTM32F400 starter kit (includes ULINK-ME)