

ARM

MCB1800 Evaluation Board

KEIL
Tools by ARM

Evaluation Boards

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MCB1000

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Microcontroller Prototyping System

C251 / C51 Evaluation Boards

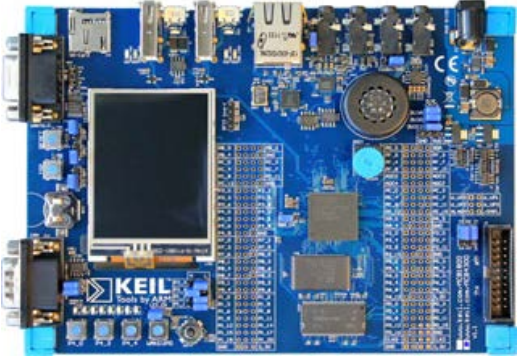
8051 Board Comparison

MCB900 Evaluation Board

MCB950 Evaluation Board

MCB1800

Evaluation Board and Starter Kit



The Keil MCB1800 Evaluation Boards enable you to create and test working programs based on the NXP LPC1850 family of ARM Cortex™-M3 processor-based devices.

The MCB1800 Evaluation Board is available in two different configurations:

- The MCB1850 Evaluation Board is populated with an NXP [LPC1850](#) device
- The MCB1857 Evaluation Board is populated with a NXP LPC1857 device

Features

- 180MHz ARM Cortex-M3 processor-based MCU in LBG256
- On-Chip SRAM: 136KB (LPC1857), 200KB (LPC1850)
- On-Chip Flash: 1MB dual bank (LPC1857), no on-chip Flash (LPC1850)
- On-Board Memory: 16MB NOR Flash, 4MB Quad-SPI Flash, 16 MB SDRAM, & 16KB EEPROM (I2C)
- Color QVGA TFT LCD with touchscreen
- 10/100 Ethernet Port
- High-speed USB 2.0 Host/Device/OTG interface (USB host + Micro USB Device/OTG connectors)
- Full-speed USB 2.0 Host/Device interface (USB host + micro USB Device connectors)
- CAN interfaces
- Serial/UART Port
- MicroSD Card Interface
- 4 user push-buttons + reset
- Digital Temperature Sensor (I2C)
- Analog Voltage Control for ACD Input
- Audio CODEC with Line-In/Out and Microphone/headphone connector + Speaker
- Debug Interface [Connectors](#)
 - 20-pin JTAG (0.1 inch)
 - 10-pin Cortex debug (0.05 inch)
 - 20-pin Cortex debug + ETM Trace (0.05 inch)

Development Software

The MCB1800 Evaluation Board and Starter Kit includes the [MDK-ARM Lite Edition](#) Tools. These tools help you get started writing programs and testing the microcontroller and its capabilities. Sample applications that run on the MCB1800 evaluation board, and a Quickstart guide are included.

Ordering Information

The MCB1800 is available as a stand alone evaluation board or as a [starter kit](#) which includes the [ULINK-ME](#) debug adapter.

- **MCB1850**: MCB1850 evaluation board
- **MCB1850UME**: MCB1850 starter kit (includes ULINK-ME)

✓RoHS

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- **MCB1857**: MCB1857 evaluation board - available Q3,12
- **MCB1857UME**: MCB1857 starter kit (includes ULINK-ME) - available Q3,12