

ARM Development Tools



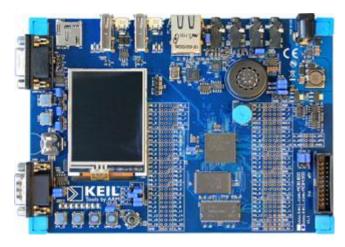
MCB1800

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 LBGA256
- 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 OVGA 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) RoHS



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

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