

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 LQFP144
- 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 A/D 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)
- **MCB1857:** MCB1857 evaluation board - available Q3,12
- **MCB1857UME:** MCB1857 starter kit (includes ULINK-ME) - available Q3,12

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Keil manufacturer](#):

Other Similar products are found below :

[RL-ARM](#) [MDK-ARM](#) [CA51](#) [MCBSTM32F200U](#) [MCB1760](#) [MCB11U10UME](#) [MCB1760U](#) [PB-HEAVY-D15/30-BL](#) [PB-HEAVY-D15/30-YL](#) [PB-HEAVY-D15/40-BL](#) [PB-HEAVY-D15/40-YL](#) [PB-HEAVY-D25/40-BK](#) [ULINKPRO](#) [MDK-ARM-B](#) [MCBSTM32](#) [PB-HEAVY-D15/50-BK](#) [PB-HEAVY-D25/30-BK](#) [PB-HEAVY-D25/40-BL](#) [PB-HEAVY-D25/50-BL](#) [PB-HOME-1/10](#) [MCB2929UME](#) [MCB2470](#) [PB-HEAVY-D15/30-BK](#) [PB-HEAVY-D15/50-BL](#) [PB-HEAVY-D25/40-YL](#) [PB-HEAVY-D25/50-YL](#) [PB-HOME-1/15](#) [PB-HOME-1/20](#) [PB-HEAVY-D25/25-BK](#) [ULINKPLUS](#) [MDK-PLUS-T-LC](#) [MDKPR-KD-40000](#)