

## Demo board description

The Keil MCB1857 Evaluation Board enables you to create and test working programs based on the LPC1800 family of ARM Cortex™-M3 based devices. The MCB1857 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 MCB1857 evaluation board, and a Quickstart guide are included.

## Features

- Full-speed USB 2.0 Host/Device interface (USB host + micro USB Device connectors)
- CAN interfaces
- 180MHz ARM Cortex-M3 processor-based MCU in LBG256
- 136KB On-Chip SRAM
- 1MB dual bank On-Chip Flash
- 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)
- 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)

## Descriptive summary

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