

# OM13039,598: Keil MCB1857 Evaluation Board

[Overview](#)
[Downloads](#)
[Buy/Parametrics](#)
[Training & Support](#)

## Jump To

[Overview](#)
[Features](#)
[Supported Devices](#)

## Overview

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.

### Board image Keil LPC4357 Eval Board (OM13039)



## Features

- 180 MHz ARM Cortex-M3 processor-based MCU in LBG256
- 136 KB On-Chip SRAM
- 1 MB dual bank On-Chip Flash
- On-Board Memory: 16 MB NOR Flash, 4 MB Quad-SPI Flash, 16 MB SDRAM, & 16 KB EEPROM (I<sup>2</sup>C)
- 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)

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## Supported Devices

- [LPC1810FBD144](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1810FET100](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1820FBD144](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1820FET100](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1830FBD144](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1830FET100](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1830FET180](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1830FET256](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1833FET256](#): High Performance 32-bit

Microcontroller based on ARM Cortex-M3

- [LPC1837FET256](#): High Performance 32-bit Microcontroller based on ARM Cortex-M3
- [LPC1850FET180](#): Quad SPI Flash Interface (SPIFI), 200 kB SRAM, two High-speed USB, Ethernet, LCD, TFBGA180 package
- [LPC1850FET256](#): Quad SPI Flash Interface (SPIFI), 200 kB SRAM, two High-speed USB, Ethernet, LCD, LPGA256 package
- [LPC1853FET256](#): High Performance 32-bit Microcontroller (MCU) based on ARM Cortex-M3 Core
- [LPC1857FET256](#): 1 MB flash, 136 kB SRAM, two High-speed USB, Ethernet, LCD, LPGA256 package

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