

### MCB4300

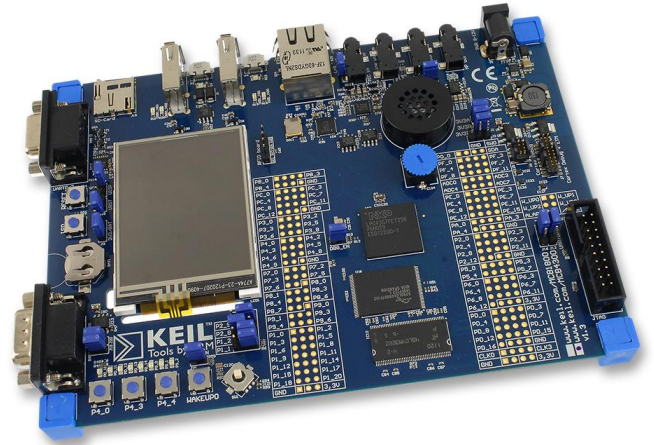
Evaluation Board and Starter Kit

[Specifications](#)

[Knowledgebase Articles](#)

[User's Guide](#)

[Schematics](#)



The Keil MCB4300 Evaluation Board enables you to create and test working programs based on the NXP LPC4300 family of ARM Cortex™-M4 processor-based devices.

The MCB4300 Evaluation Board is available in two different configurations:

- The MCB4350 Evaluation Board is populated with an NXP [LPC4350](#) device
- The MCB4357 Evaluation Board is populated with a NXP LPC4357 device

### Features

- 204MHz LPC4350 device with ARM Cortex-M4 processor and Cortex-M0 coprocessor (LPGA256)
- On-Chip SRAM: 136KB (LPC4357), 264KB (LPC4350)
- On-Chip Flash: 1MB dual bank (LPC4357), no on-chip Flash (LPC4350)
- 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 connector)



### Development Software

The MCB4300 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 MCB4300 evaluation board, and a Quickstart guide are included.

### Ordering Information

The MCB4300 is available as a stand alone evaluation board or as a starter kit which includes the [ULINK-ME](#) debug adapter.

- **MCB4350:** MCB4350 evaluation board
- **MCB4350UME:** MCB4350 starter kit (includes ULINK-ME)
- **MCB4357:** MCB4357 evaluation board - available Q3,12
- **MCB4357UME:** MCB4357 starter kit (includes ULINK-ME) - available Q3,12