

Evaluation Boards

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MCB1000

Evaluation Board and Starter Kit



The Keil MCB1000 Evaluation Boards enable you to create and test working programs based on the NXP family of ARM Cortex™ - M0 and Cortex - M3 processor - based devices.

It is available in four configurations:

- ? The MCB1114 is populated with a NXP [LPC1114FBD48/302](#) device
- ? The MCB11C14 is populated with a NXP [LPC11C14FB48/301](#) device with CAN
- ? The MCB11U14 is populated with a NXP [LPC11U14FB48/201](#) device with USB
- ? The MCB1343 is populated with a NXP [LPC1343FBD48](#) device with USB

Features

- ? 50MHz ARM Cortex - M0 processor - based MCU in 48 - pin LQFP (MCB1114, MCB11C14 & MCB11U10)
- ? 72MHz ARM Cortex - M3 processor - based MCU in 48 - pin LQFP (MCB1313 and MCB1343)
- ? On- Chip Memory: 32KB Flash and 8KB RAM (6KB LPC11U14)
- ? CAN 2.0 Interface (LPC11C14 only)
- ? USB 2.0 Device (LPC11U14 and LPC1343 only)
- ? Serial Interface
- ? Potentiometer for ADC Input
- ? Up to 42 GPIO
- ? 8 User LEDs + power
- ? 4 push - buttons (2 GPIO, ISP, & reset)
- ? Power via USB connector
- ? Debug Interface [Connectors](#)
- ? 10-pin Cortex debug (0.05 inch connector)



Evaluation Software

The MCB1000 Evaluation Boards and Starter Kits include the [MDK-Lite](#) development tools. These tools help you get started writing programs and testing the microcontroller and its capabilities. Sample applications that run on the MCB1000 evaluation boards, and a Quickstart guide are included.

Ordering Information

The MCB1000 is available as stand alone evaluation boards or as [starter kits](#) which includes the [ULINK-ME](#) debug adapter.

- ? **MCB1114** : MCB1114 evaluation board
- ? **MCB1114UME** : MCB1114 starter kit (includes ULINK -ME)
- ? **MCB11C14** : MCB11C14 evaluation board
- ? **MCB11C14UME** : MCB11C14 starter kit (includes ULINK -ME)
- ? **MCB1313** : MCB1313 evaluation board
- ? **MCB1313UME** : MCB1313 starter kit (includes ULINK -ME)
- ? **MCB1343** : MCB1343 evaluation board
- ? **MCB1343UME** : MCB1343 starter kit (includes ULINK -ME)
- ? **MCB11U10** : Available End May, 2011