

## Evaluation Boards

- Overview
- Third-Party Boards
- Feedback

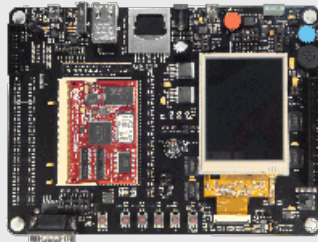
## ARM Evaluation Boards

- ARM7 Board Comparison
  - MCB2100
  - MCB2140
  - MCB2300
  - MCB2470
    - Specifications
    - Knowledgebase Articles
    - User's Guide
    - Base Board Schematics
    - OEM Schematics
- ARM9 Board Comparison
- Cortex-M Board Comparison

## C251/C51 Evaluation Boards

- 8051 Board Comparison
  - MCB900 Evaluation Board
  - MCB950 Evaluation Board

## MCB2470 Evaluation Board



The Keil MCB2470 Evaluation Board introduces the NXP LPC2470 ARM family, allowing you to create and test working programs for this architecture.

Featuring the NXP LPC2478 MCU, the MCB2470 features a range of interfaces such as 3.2" Color QVGA LCD display with touch screen, USB (Host & OTG), CAN, Ethernet, SD/MMC cards, and UARTs.

## MCB2470 Features

- LPC2478 ARM7TDMI processor-based MCU
- On-Chip Memory: 512KB Flash & 96KB RAM
- External Memory: 128MB NAND Flash, 4MB NOR Flash, & 32MB SDRAM
- Color QVGA LCD with Touchscreen
- 10/100 Ethernet Port
- USB 2.0 Full Speed - USB, USB-OTG, USB Host, & UART via USB
- Serial Port and CAN Interface
- SD/MMC Card Interface
- 5-position Joystick and 3-axis accelerometer
- Analog Voltage Control for ADC Input
- Amplifier and Speaker
- JTAG interface and ETM Trace port (provision for a Mictor-38 connector)

## Components Included

The MCB2470 Evaluation Board includes the following:

- [MCB2470 Evaluation Board](#),
- [QVGA LCD and Touch Screen](#),
- [MCB2470 Quick Start Guide](#),
- [MDK-ARM Evaluation Tools](#).

## System Requirements

- PC with one available USB port,
- Windows 2000, XP and Vista,
- One CD-ROM drive,
- [ULINK family USB-JTAG Adapter](#) for high-performance Debug/Download (optional).

## Starter Kit

The MCB2470 is also available as a starter kit which includes the [ULINK2](#) USB-JTAG adapter.

Part numbers are:

- **MCB2470**: MCB2470 Only
- **MCB2470U**: MCB2470 and [ULINK2](#)

## Evaluation Software

The MCB2470 Evaluation Board and Starter Kit include the [MDK-ARM Evaluation Tools](#). These tools help

you get started writing programs and testing the microcontroller and its capabilities. Sample applications that run on the MCB2470 are included.