ARM MCB1700 Evaluation Board — KEIL Tools by ARM

MCB1750 Evaluation Board

The Keil MCB1750 Evaluation Board introduces the new NXP LPC1750 family of ARM Cortex-M3 processor-based devices, allowing you to create and test working programs for this advanced architecture. The MCB1750 has a wide range of interfaces making it a great starting point for your next Cortex-M3 project.

MCB1750 Features

- 100MHz LPC1758 ARM Cortex™-M3 processor-based MCU in 80-pin LQFP
- On-Chip Memory: 512KB Flash & 64KB RAM
- Color QVGA TFT LCD
- 10/100 Ethernet Port
- USB 2.0 Full Speed - USB, USB-OTG, & USB Host
- 2 CAN Interfaces
- 2 Serial Ports
- SD/MMC Card Interface
- 5-position Joystick and push-button
- Analog Voltage Control for ADC Input
- Amplifier and Speaker
- 52 GPIO pins
- Debug Interface Connectors
    - 20 pin JTAG (0.1 inch connector)
    - 10 pin Cortex debug (0.05 inch connector)
    - 20-pin Cortex debug + ETM Trace (0.05 inch connector) ✓RoHS Pb

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 MCB1750 is also available as a starter kit which includes the ULINK-ME USB-JTAG adapter.

Part numbers are:

- **MCB1750**: MCB1750 Only
- **MCB1750UME**: MCB1750 and ULINK-ME

Evaluation Software

The MCB1750 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 MCB1750 are included.