

Demo board description

The Keil MCB4357 Evaluation Board enables you to create and test working programs based on the LPC4300 family of Dual Core ARM Cortex™-M4/M0 devices. The MCB4357 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 MCB4357 evaluation board, and a Quickstart guide are included.

Features

- 204 MHz LPC4357 device with ARM Cortex-M4 processor and Cortex-M0 coprocessor (LBGA256)
- 136 KB On-Chip SRAM
- 1MB dual bank On-Chip Flash
- 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)

Descriptive summary

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