


# MCBSTM32EXL Evaluation Board



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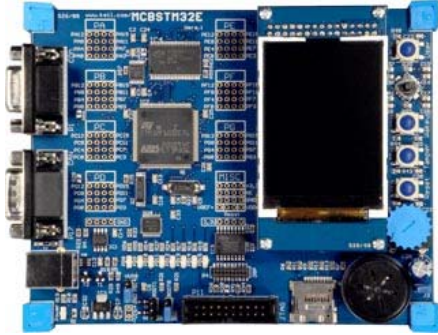
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## MCBSTM32EXL

**Evaluation Board and Starter Kit**



The Keil MCBSTM32EXL Evaluation Boards enable you to create and test working programs based on the STMicroelectronics STM32 family of ARM Cortex™-M3 processor-based devices. [\\$ Get a Quote](#)

It is available in two configurations:

- The MCBSTM32EXL is populated with a [STM32F103ZG](#) device
- The MCBSTM32E is populated with a [STM32F103ZE](#) device

### Features

- 72MHz ARM Cortex-M3 processor-based MCU in 144-pin LQFP
- On-Chip Flash: 1MB (STM32F103ZG), 512KB (STM32F103ZE)
- On-Chip RAM: 96KB (STM32F103ZG), 64KB (STM32F103ZE)
- External Memory: 8MB SPI Flash and 1MB RAM
- USB 2.0 Full speed Device Interface
- CAN 2.0 and Serial Interfaces
- Potentiometer for ADC Input
- Up to 42 GPIO
- QVGA LCD-TFT color graphics display with 16-bit interface
- MicroSD Card Interface
- Speaker for analog output
- Joystick with 5 positions
- 8 User LEDs and 4 push-buttons
- Power via USB connector
- Debug Interface [Connectors](#)
  - 20-pin Cortex debug + ETM Trace (0.05 inch connector)
  - 20-pin ARM JTAG (0.1 inch connector)

### Evaluation Software

The MCBSTM32EXL Evaluation Boards and Starter Kits 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 MCBSTM32EXL evaluation boards, and a Quickstart guide are included.

### Ordering Information

The MCBSTM32EXL is available as stand alone evaluation boards or as a [starter kit](#) which includes the [ULINK-ME](#) debug adapter.

- **MCBSTM32EXL**: MCBSTM32EXL evaluation board
- **MCBSTM32EXLUME**: MCBSTM32EXL starter kit (includes ULINK-ME)
- **MCBSTM32E**: MCBSTM32E evaluation board
- **MCBSTM32EUME**: MCBSTM32E starter kit (includes ULINK-ME)

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