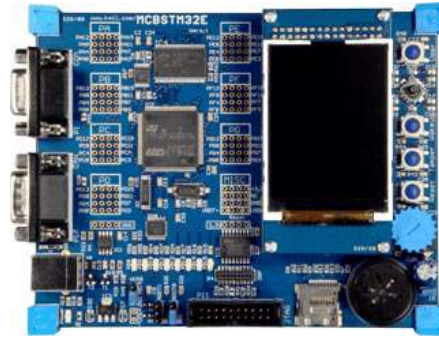


## MCBSTM32EXL

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.

### Features

- 72MHz [STM32F103ZG](#) ARM Cortex™-M3 processor-based MCU in 144-pin LQFP
- On-Chip Memory: 1MB Flash and 96KB RAM
- 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 ARM JTAG (0.1 inch connector)
  - 20-pin Cortex debug + ETM Trace (0.05 inch connector)



### Evaluation Software

The MCBSTM32EXL Evaluation Board and Starter Kit 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 MCBSTM32EXL evaluation boards, and a Quickstart guide are included.

### Ordering Information

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

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