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LPC2103 Education Board

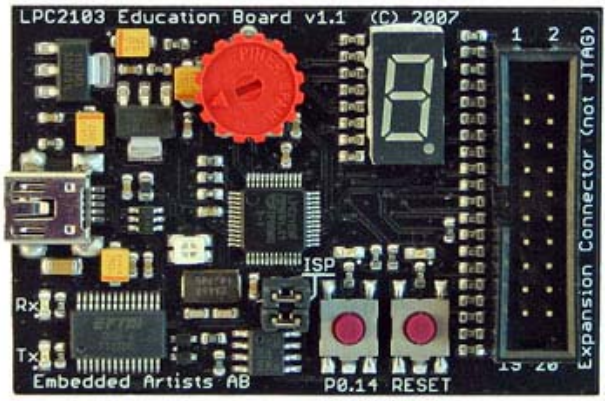
Price Information

Volume discount available for 10 boards, or more, see web shop

Art.no: **EA-EDU-009** **Buy**

Experiment Board

An Experiment expansion board is available, see Related Products tab.



Start learning more about ARM7 processors in general and the LPC2103 microcontroler in particular using Embedded Artists' **LPC2103 Education Board**.

Overview | **Specification** | MCU | Related Products | Resources | FAQ

LPC2103 Education Board

Processor	NXP's ARM7TDMI LPC2103 microcontroller
Program Flash	32 KB
Data Memory	8 KB
Clock Crystal	14.7456 MHz crystal
On-board Peripherals	• USB-to-serial bridge interface on UART #0 • Analog input (via trimmer potentiometer) • 7-segment LED display • RGB-LED, each color can be controlled via PWM signal • 2 LEDs (on P0.14 and Reset signal) • Pushbutton on P0.14 • Reset button • 2 Kbit I2C-E2PROM • 20 pos expansion connector
Dimensions	Only 68 x 42 mm
Power	On-board low-dropout voltage and reset generation • Generates +3.3V and +1.95V • +3.3V available for external circuits, up to 300 mA • Powered via USB connector.
Connectors	• mini-B USB, USB-to-serial bridge interface • 20-pos expansion connector
Other	• Simple and automatic program download (ISP) via USB-serial channel. Circuit that automatically controls the bootloader from USB-serial channel • Four layer PCB (FR-4 material) for best noise immunity • Delivered with 20 pos flat cable for explansion connector