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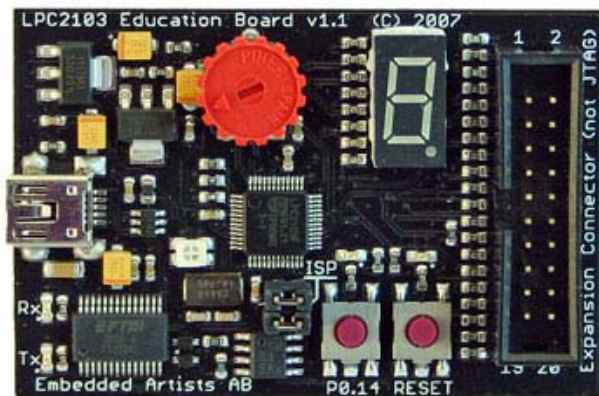
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LPC2103 Education Board



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

Overview	Specification	MCU	Related Products	Resources	FAQ
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LPC2103 Education Board	
<i>Processor</i>	NXP's ARM7TDMI LPC2103 microcontroller
<i>Program Flash</i>	32 KB
<i>Data Memory</i>	8 KB
<i>Clock Crystal</i>	14.7456 MHz crystal
<i>On-board Peripherals</i>	<ul style="list-style-type: none"> 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
<i>Dimensions</i>	Only 68 x 42 mm
<i>Power</i>	On-board low-dropout voltage and reset generation <ul style="list-style-type: none"> Generates +3.3V and +1.95V +3.3V available for external circuits, up to 300 mA Powered via USB connector.
<i>Connectors</i>	<ul style="list-style-type: none"> mini-B USB, USB-to-serial bridge interface 20-pos expansion connector
<i>Other</i>	<ul style="list-style-type: none"> 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 explanation connector