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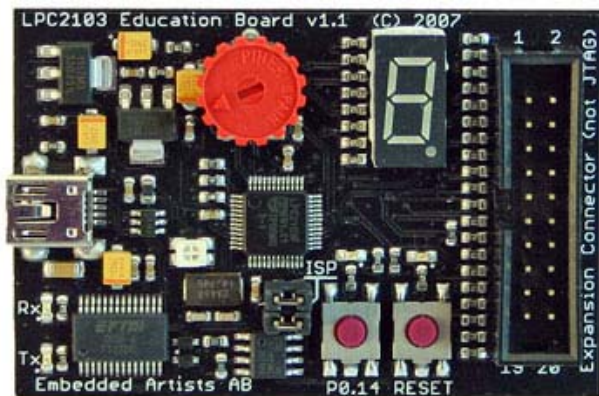
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## LPC2103 Education Board



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](#)

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**Experiment Board**

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

Overview	<b>Specification</b>	MCU	Related Products	Resources	FAQ
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<b>LPC2103 Education Board</b>	
<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"> <li>• USB-to-serial bridge interface on UART #0</li> <li>• Analog input (via trimmer potentiometer)</li> <li>• 7-segment LED display</li> <li>• RGB-LED, each color can be controlled via PWM signal</li> <li>• 2 LEDs (on P0.14 and Reset signal)</li> <li>• Pushbutton on P0.14</li> <li>• Reset button</li> <li>• 2 Kbit I2C-E2PROM</li> <li>• 20 pos expansion connector</li> </ul>
<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"> <li>• Generates +3.3V and +1.95V</li> <li>• +3.3V available for external circuits, up to 300 mA</li> <li>• Powered via USB connector.</li> </ul>
<i>Connectors</i>	<ul style="list-style-type: none"> <li>• mini-B USB, USB-to-serial bridge interface</li> <li>• 20-pos expansion connector</li> </ul>
<i>Other</i>	<ul style="list-style-type: none"> <li>• Simple and automatic program download (ISP) via USB-serial channel. Circuit that automatically controls the bootloader from USB-serial channel</li> <li>• Four layer PCB (FR-4 material) for best noise immunity</li> <li>• Delivered with 20 pos flat cable for explanation connector</li> </ul>