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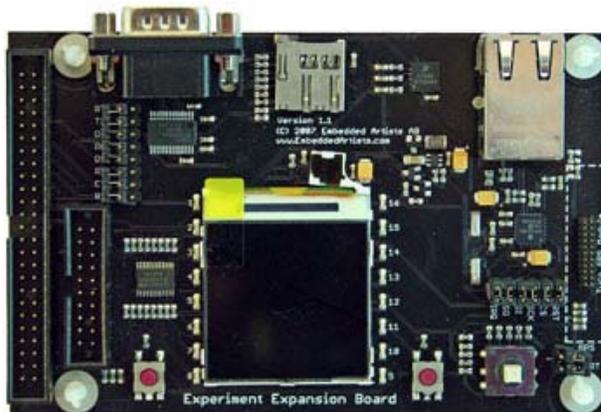
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## Experiment Expansion Board



If you would like to have even more experiments added to your LPC2103, LPC2138 or LPC2148 Education Board the Embedded Artists' **Experiment Expansion Board** is the choice for you.

**Price Information**

Volume discount available for 25 boards, or more, see web shop

Art.no: **EA-EDU-011** [Buy](#)

Note that this product is NOT compatible with LPC2148 Education Board v2.

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### Experiment Expansion Board

<i>Expansion Interface</i>	<ul style="list-style-type: none"> <li>• LPC2103 Education Board - via the 20 pos expansion connector</li> <li>• LPC2138 Education Board - via the 50 pos expansion connector</li> <li>• LPC2148 Education Board - via the 50 pos expansion connector</li> </ul>
<i>On-board Peripherals</i>	<ul style="list-style-type: none"> <li>• 128x128 color LCD (interface via SPI bus) with backlight control</li> <li>• 3-axis accelerometer (MMA7260 from Freescale)</li> <li>• 10M Ethernet interface (ENC28J60 from Microchip, interface via SPI bus)</li> <li>• Joystick switch</li> <li>• 2 push buttons</li> <li>• 16 LEDs controlled via I2C (PCA9532)</li> <li>• uSD/transflash connector (interface via SPI bus)</li> <li>• Full-signal RS232 modem</li> <li>• Interface to GPS module (A1035-C from Tyco Electronics). Note that GPS module is not included.</li> </ul>
<i>Dimensions</i>	122 x 78 mm
<i>Power</i>	Powered with +3.3V from expansion connectors (either 20- or 50-pos connector). Needs at least 200 mA.
<i>Connectors</i>	<ul style="list-style-type: none"> <li>• 9-pos male DSUB (RS232 interface)</li> <li>• RJ45 connector (Ethernet interface)</li> <li>• uSD/transflash memory card connector</li> <li>• interface to GPS module ()</li> <li>• 20 pin input expansion connector</li> <li>• 50 pin input expansion connector</li> </ul>
<i>Other</i>	<ul style="list-style-type: none"> <li>• Four layer PCB (FR-4 material) for best noise immunity</li> </ul>