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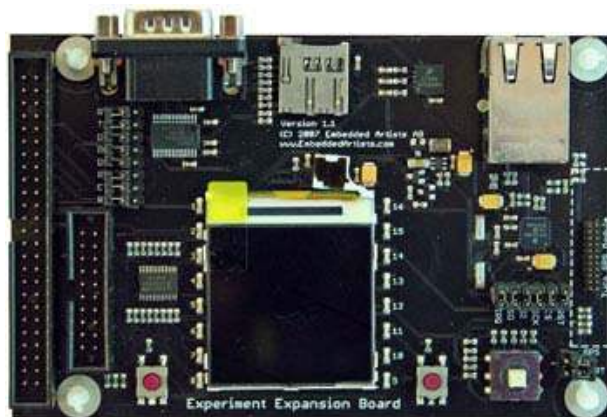
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Experiment Expansion Board



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