Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Products

› Board Comparison Chart

» Developer's Kits

» OEM Boards

» QuickStart Boards

↓ Education Boards

› LPC2103 Edu board
› LPC2138 Edu board
› LPC2148 (v3) Edu board
› Experiment board
› LPC2148 (v2) Edu board
› Expansion - Ethernet
› Expansion - Prototype
› Expansion - MP3
› Expansion - UART

» LPCXpresso & mbed

» Displays

» Tools

» Accessories

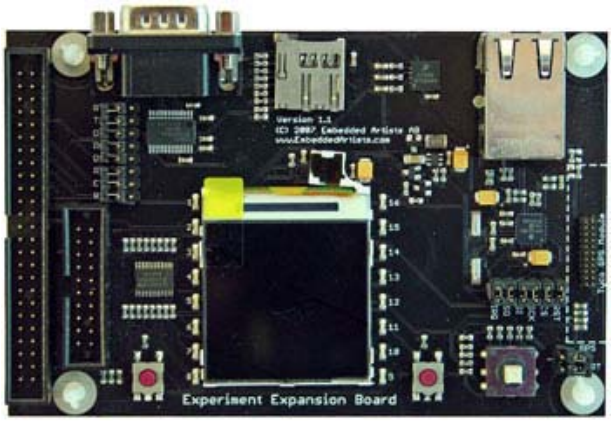
Experiment Expansion Board

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.



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.

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

Experiment Expansion Board

Expansion Interface	• 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
On-board Peripherals	• 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 Electonics). Note that GPS module is not included.
Dimensions	122 x 78 mm
Power	Powered with +3.3V from expansion connectors (either 20- or 50-pos connector). Needs at least 200 mA.
Connectors	• 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
Other	• Four layer PCB (FR-4 material) for best noise immunity