Chipsmall

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!

Contact us

LPC2478 Developer's Kit

Products

› **Board Comparison Chart**

↓ **Developer's Kits**

› **LPC1788 Kit**
› **LPC2468 Kit**
› **LPC2478 Kit**
› **LPC3131 Kit**
› **LPC3141 Kit**
› **LPC3152 Kit**
› **LPC3250 Kit**

» **OEM Boards**

» **QuickStart Boards**

» **Education Boards**

» **LPCXpresso & mbed**

» **Displays**

» **Tools**

» **Accessories**

	Products	Services	Support	Projects	Web Shop

Price Information

32-bit databus

Art.no: **EA-OEM-203 Buy**

~~**Currently out-of-stock**~~

Expected delivery date:
2011-07-18

Price Information

16-bit databus

Art.no: **EA-OEM-204 Buy**

Embedded Artists' **LPC2478 Developer's Kit** lets you get up-and-running quickly with the LPC2478 OEM Board. The LPC2478 OEM Board is equipped with NXP's **ARM7TDMI-S** based LPC2478 microcontroller suitable for a wide range of applications that requires advanced communication and high quality graphic displays.

Overview	**Specification**	MCU	Related Products	Resources	Included in Kit	FAQ

LPC2478 OEM Board

Processor	NXP's ARM7TDMI LPC2478 microcontroller in BGA package
Program Flash	128 MB NAND FLASH, 4 MB NOR FLASH + 512 kB internal
Data Memory	32 MB SDRAM + 96 KB internal **32- or 16-bit data bus to SDRAM**
Ethernet	100/10M Ethernet interface based on National DP83848 Ethernet PHY
Clock Crystals	• 12.000 MHz crystal for CPU • 32.768 kHz crystal for RTC
Dimensions	66 x 48 mm
Power	• +3.3V powering
Connectors	• 200 pos expansion connector (as defined in SODIMM standard), 0.6mm pitch
Other	• 256 Kbit I2C E2PROM for storing non-volatile parameters • Buffered 32- or 16-bit databus

QVGA Base Board

Display	• 3.2 inch QVGA TFT color LCD with touch screen panel
Connectors	• 200 pos SODIMM connector for OEM Board • Expansion connector with all LCD controller signals, for custom displays • Expansion connector with all cpu signals • Ethernet connector (RJ45) • MMC/SD interface & connector • CAN interface & connector • JTAG connector • Pads for ETM connector
Interfaces	• USB OTG interface & connector • USB host interface & connector • Full modem RS232 on UART #1 (cannot be used on 32-bit databus cpu boards, but RxD2/TxD2 can alternatively be connected to the RS232 interface)

	• Dual CAN interface & connector • IrDA tranceiver interface
Power	• Power supply, either via USB or external 9-15V DC • 0.3F capacitor backup for RTC and LED on ALARM output
Expansion	• Expansion connector with all LCD controller signals, for custom displays • Expansion connector with all cpu signals
Other	• 5-key joystick • 3 axis accelerometer • Push-button key and LED on P2.10 • 4 push-button keys via I2C • 8 LEDs (via I2C) • 1 Analog inputs • USB-to-serial bridge on UART #0, and ISP functionality • Reset push-button and LED • Speaker output (DAC) • 240x150 mm in size