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

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