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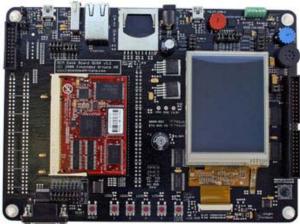
LPC2478 Developer's Kit

Products

> Board Comparison Chart

↓ Developer's Kits

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- > LPC2468 Kit
- > LPC2478 Kit
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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 Ar lists' 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

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

* 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 connectorPads 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 supply, either via USB or external 9-15V DC
 O.3F capacitor backup for RTC and LED on ALARM output Power Expansion • Expansion connector with all LCD controller signals, for custom displays • Expansion connector with all cpu signals 5-key joystick3 axis accelerometer Other

 Push-button key and LED on P2.10 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

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