

**LPC-E2214** DEVELOPMENT BOARD FOR LPC2214 ARM7TDMI-S MICROCONTROLLER WITH 1MB EXTERNAL FLASH, 1MB EXTERNAL SRAM USB, RS232 AND ETHERNET



**FEATURES:**

1. MCU: **LPC2214** 16/32 bit ARM7TDMI-S™t with 256K Bytes Program Flash, 16K Bytes RAM, EXTERNAL MEMORY BUS, RTC, 4x 10 bit ADC 2.44 uS, 2x UARTs, I2C, SPI, 2x 32bit TIMERS, 7x CCR, 6x PWM, WDT, 5V tolerant I/O, up to 60MHz operation
2. standard JTAG connector with ARM 2x10 pin layout for programming/debugging with ARM-JTAG
3. optional ETM connector (not installed)
4. 1MB (256Kx32bit) 12 ns **71V416** SRAM
5. 1MB (512Kx16bit) 55ns **MX26LV800BTC** FLASH or 70 ns **ES29LV800EB** FLASH
6. standard JTAG connector with ARM 2x10 pin layout for programming/debugging with ARM-JTAG
7. USB to RS232 convertor, board can take power only from USB port
8. RESET circuit with external control of Philips ISP utility via USB-RS232 virtual port
9. Jumpers for boot select from external memory
10. Jumpers for ISP/RUN mode
11. Ethernet controller with CS8900A and RJ45 connector
12. LCD 16x2 DISPLAY with BACKLIGHT
13. 2 BUTTONS
14. POTENTIOMETER connected to ADC
15. SPI connector
16. RS232 driver and connector
17. DALLAS i-BUTTON interface and connector
18. I2C 24LC515 EEPROM on board
19. two on board voltage regulators 1.8V and 3.3V with up to 800mA current

<http://olimex.com/dev/lpc-e2214.html>