

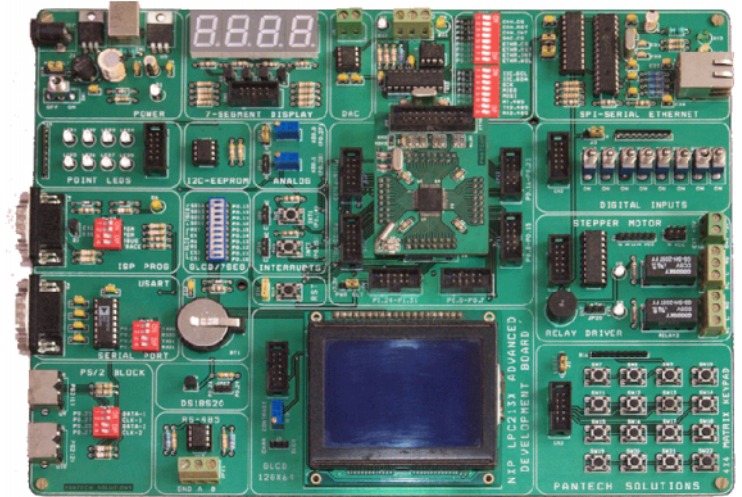
NXP's ARM7 (LPC2148), Kit is high speed 32-bit Microcontrollers. It integrates on board two UARTs, LEDs, keypads, SPI DAC and ADC inputs, Ethernet, RS485, GLCD Display to create a stand-alone versatile test platform. User can easily engage in development in this platform, or use it as reference to application development.

Key Features

- Serial Ethernet | CAN 2.0
- SPI Digital-Analog Convertor
- 8 Nos. Point LEDs (Logic Output)
- 8 Nos. Digital Input (Toggle Switch)
- 4x4 Matrix Keypad
- 2X16 Character LCD
- 4 Nos. 7-Segment Display
- 1-Wire Digital Temp Sensor
- 2 Nos. On-Board ADC Test (Potentiometer)
- Stepper Motor Interface
- 2 Nos. of SPDT Relay
- DS1307 RTC with Battery-Backup
- 2 Nos. UART(RS232)
- Buzzer (Alarm), Digital / Analog Output
- Interrupts Study, Reset Button
- Serial EEPROM (I2C Devices)
- 128x64 Graphical LCD
- PS/2 | RS-485
- 10-Pin Port Expansion Connector
- JTAG Header (Program/Debug) | ISP Programmer

Communication Protocols

- SPI | I2C | 1-Wire | RS-485 | CAN2.0 | RS-232

**Benefits**

- RTOS Support
- Evaluate Real Time Applications
- Supports Embedded C, ASM
- ISP Programming / JTAG Debugging
- Facility to interface external devices

LPC2148

- Devices : LPC2148 (ARM7TDMI-S Core)
- Memory: 512K FLASH - Program
32K SRAM – Data Memory
- Clock : 12MHz crystal, Max = 60 MHz

Kit Includes

- LPC2148 Advance Development Kit + Module
- Power Adaptor
- RS232 Cable
- User Guide : HW/SW
- CD Contains:
 - Examples, ISP Programmer, IDE, Datasheets

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