

ARM 7 LPC2148 Development Board

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Product Description

Blue Board is a cost effective prototyping & solutions using the versatile LPC214x series of microcontrollers. It is a ready-to-run development platform with code snippets to demonstrate applications for every feature supported on the board. The Blue Board offers ubiquitous interfaces making it the best board available for the offered price.

The LPC2148 microcontroller has 512KB of internal flash & 32+8K RAM, can be clocked up to 60Mhz. LPC2148 features include USB 2.0 device, 2xUARTs, RTC, 2x10bit ADCs each ADC has multiple channels, 1xDAC, 6XPWM, 2xI2C, 1xSPI, 1XSSP, 2x32-bit TIMERS, FAST I/O support & WDT. LPC2148 also supports In System Programming (ISP)

Following are the salient features of the board:

Dimensions: 127 X 127 mm²

Two layer PCB (FR-4 material)

Power: DC 6.5V with power LED On-board linear regulators generate +3.3V/500mA & +5V/500mA from power supply USB connector (as alternate power source)

ISP & reset switch

12.0000 MHz crystal for MCU,32Khz crystal for RTC

Extension headers for all microcontroller pins

RS232 connector (2x), VGA connector, PS2 connector, 20pin - JTAG connector,

SD/MMC card connector, USB type-B connector with link-LED

All peripheral configurable via jumper

Audio power amplifier

2 line X 16 character LCD

Backlight control for LCD

Configurable for manual and automatic program download (ISP) via serial port

Two layer PCB (FR-4 material)

8 controllable LEDs on SPI

Kit Contents

(BlueBoard-LPC214X

USB B-Type Cable)

Additional Information

Item Code	LPC2148
Delivery Time	2 Working Days
Port Of Dispatch	Bangalore
Production Capacity	10 per Day

