



Start Your Embedded System Design Journey Today..!

LPC2148 essential development features a plug and play design that makes it easy for connections and helps Students, hobbyists, enthusiasts, and professionals to focus more on Program / application development. LPC2148 Trainer Kit equipped with on board IO's, communication interfaces & peripherals. It is really easy to design, experiment with, and test circuits without soldering. It's used in many educational institutions and R&D LAB across the world.

Features:

- Plug & Play Interface Connectivity
- Professional EMI/RFI Compliant PCB Layout Design
- Modular Block design makes Easy access & quick Prototyping
- FRC connectivity features minimize the connection Error.
- High Quality Grade PCB with wooden Enclosure.
- Stackable daughter board LPC2148.
- On board debugging JTAG Option
- USB onboard programming
- 8 interfacing LED's.
- 1 * 4 interfacing keys.
- 4* 4 interfacing keypad matrix.
- Two channel RS232 port for communication.
- 3 ADC potentiometer input interface.
- 16X2 LCD, OLED interface.
- 46 general purpose IO
- On Board Power supply 3.3V, 5V 12V,GND.
- 8 pin DIP switches.
- On board voltage level converter
- Board enabled with the header for stacking the WiFi module.
- Board enabled with the header for stacking the Arduino shields.
- ON board Micro SD card
- ON/OFF slide switch.
- RDL bus.
- External jumper nodes.
- Reset button.
- Power plug-in DC Socket.
- Power supply indicator LED.
- Test led for Tx, Rx.
- 7Seg Multiplexed Display.
- FT232RL USB communication.

Scope of Learning Experiments:

- LED blinking
- 8 bit LED Left shift, Right shift and counting operation
- Keypad Interrupt Interface
- 16*2 LCD interface
- Matrix Keypad Interface
- ADC & DAC interface
- Traffic Light Signal Interface
- 8 bit DIP switch interface
- 7 Segment interface
- L298 Driver for DC Motor and Stepper motor interface
- Elevator Interface
- Buzzer, Relay interface
- RS485, RS232 serial communication
- UART Operation
- RTC DS1307 I2C protocol interface
- AT24C04 EEPROM I2C protocol interface
- RF/WiFi Communication
- SPI protocol interface
- Temperature Sensor Interface
- Automatic Number Plate Recognition



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