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Raspberry Pi 2 Model B

The Raspberry Pi 2 Model B is the second generation Raspberry Pi. Broadcom BCM2836 900MHz quad-core ARM Cortex-A7 CPU with VideoCore IV dual-core GPU



- * 1GB RAM
- * Supports more OS, includes Win 10

Arduino Adapter For Raspberry Pi-ARPI 600

Arduino is a massive ecosystem, if there's a way for the Raspberry Pi GPIO interface to adapt to Arduino pinouts, it is possible to use the Pi together with vast Arduino shields and hardware/software resources. The ARPI600 is just intended for this.



- ARPI600 also support XBee modules, make it easy to add wireless feature to your great project.
- * Compatible with Arduino UNO, Leonardo, easy to connect with various Arduino shields
 - * XBee connector for connecting various XBee modules
 - * Sensor interface for connecting various sensors
 - * Onboard USB TO UART for serial port debugging, also can be configured as XBee USB adapter
 - * Onboard ADC, 10 bit, 38KSPS, 11 channels (6 channels for Arduino interface, 5 channels for sensors)
 - * Onboard RTC

Raspberry Pi Expansion Board, Pioneer600

- * Standard I/O- dual LED, joystick, buzzer, the basic components
- * USB TO UART- Display- 0.96inch OLED, RTC- DS3231, high precision, backup battery holder is also available, AD/DA-PCF8591, 8-bit resolution, screw terminal IO interface GPIO Expansion-PCF8574, more GPIO, IR Control- LFN0038K, Pressure Sensor-BMP180, 91- WIRE- for connecting 1-WIRE devices, DS18B20 is included
- * Sensor Interface- for connecting various sensors



Raspberry Pi Expansion/Evaluation Board - DVK 512

Features various interfaces.

DVK512 is an expansion board designed for Raspberry Pi, integrates various components and interfaces for connecting external accessory boards. It's ideal for Raspberry Pi evaluation and development.

Pin headers for connecting with the RPi

UART interface: RS232, RS485, USB TO UART, etc.

I/Os interface: easily connects to modules controlled by I/Os, such as 8 Push Buttons, Logic Level Converter, Mix Board, etc. SPI interface: AT45DBXX Dataflash, L3G4200D Board, etc.



I2C interface: PCF8574 Expansion Board, PCF8563 RTC Board, LSM303DLHC Board, etc.

Character LCD interface: LCD1602 USB connector: USB TO UART, User LEDs, User Keys Potentiometer: for LCD1602 contrast adjustment, RTC battery holder, **PCF8563:** onboard RTC with crystal CP2102: onboard USB TO UART chip, for debugging, CP2102 jumper, RTC jumper, User LEDs jumper User Keys jumper

Raspberry Pi High-Precision AD/DA Expansion Board

There's no AD/DA function on the Raspberry Pi GPIO interface, this may trouble you in the Pi development. However, it won't be a problem anymore. The High-Precision AD/DA Board allows you to add high-precision AD/DA functions to the Raspberry Pi.



- * Onboard ADS1256, 8ch 24bit high-precision ADC (4ch differential input), 30ksp/s sampling rate
- * Onboard DAC8532, 2ch 16bit high-precision DAC
- * Onboard input interface via pin headers, for connecting analog signal
- * Onboard input/output interface via screw terminals, for connecting analog/digital signal
- * Features AD/DA detect circuit, easy for signal demonstration

Raspberry Pi Camera 7 Different Modules

- * Fisheye Lens, offers wider field of view
- * Comes with infrared LED, supports night vision
- * Adjustable Focus
- * 5 megapixel OV5647 sensor



For detail specifications please visit www.logsunonline.com

Raspberry Pi LCD

3.2, 3.5 and 4 inch TFT LCD display with Touch Screen
5inch and 7 inch HDMI TFT LCD with Touch Screen with & without case



Raspberry Pi Accessories

- * More than 12 various sensors pack
- * USB WIFI 150M RTL8188CUS
- * Micro SD Card 8GB, 16GB
- * USB Camera 0307
- * Mini Wireless Keyboard
- * HDMI Male to VGA Female Cable 0.2m with Audio and Power
- * Power Adapter 5V 2A USB Output
- * USB Type A Plug to Micro B Plug Cable
- * Ethernet Cable
- * PCF 8591 AD-DA board
- * Infrared Remote Controller
- * LFN0038K (Infrared Receiver)
- * DS18B20 Temperature sensor
- * USB Type A Plug to Micro B Plug Cable
- * USB type A plug to mini-B plug cable
- * HDMI VGA Converter Cable
- * Raspberry Pi Case- 2 different models Color: clear Unibody, easy to install



Beagle Bone Black, from BeagleBoard family

BB Black Rev C 4GB

BeagleBone Black is an MSRP community-supported development platform for developers and hobbyists. Boot Linux in under 10 seconds and get started on development in less than 5 minutes with just a single USB cable.



- * Processor: TI Sitara AM335x, 1GHz, 2000 MIPS
- * 1 GHz ARM® Cortex™-A8
- * SGX530 Graphics Engine
- * Programmable Real-Time Unit Subsystem
- * Memory: SDRAM: 512MB DDR3L 800MHZ eMMC Flash: Rev C: 4GB
- * SD/MMC Connector for micro SD
- * Power management: TPS65217C PMIC is used along with a separate LDO to provide power to the system



Beaglebone Arduino Adapter

- * Arduino connector : for connecting compatible Arduino shields, such as Motor Control Shield
- * ICSP interface : for uploading Arduino programs
- * DEBUG interface : for debugging BB Black OR connected Arduino shields
- * Power indicator BB Black BOOT selection button
- * Vin voltage level selection jumper : connects to VDD5V OR custom power supply
- * IOREF voltage level selection jumper : connects to SYS5V OR 3V3



Beaglebone LCD Cape

- * BB Black Expansion CAPE, Supports 4.3 inch and 7inch TFT LCD
- * BB_BLACK connector : for connecting BB Black
- * 4.3/7inch LCD interface : for connecting 4.3/7inch resistive touch screen LCD
- * DEBUG interface : BB Black debug interface, for connecting serial modules
- * BOOT selection button : Boot from TF card



BB Black Expansion CAPE, Features various Components and Functions

- * BB_BLACK connector : for connecting BB Black
- * DEBUG interface : BB Black debug interface, for connecting serial modules
- * ONE-WIRE interface: easily connects to ONE-WIRE devices (TO-92 package), such as temperature sensor (DS18B20), electronic registration number (DS2401), etc.
- * BOOT selection button : Boot from TF card User button : 4 buttons
- * Buzzer, Power indicator, User LED : 4 LEDs, Potentiometer : AD adjustable potentiometer
- * 32.768KHz crystal : for RTC, PCF8563 : RTC RTC battery holder : for 3.3V battery
- * RTC power selection jumper RTC I2C selection jumper: select I2C1 OR I2C2



Arduino UNO Boards

UNO PLUS, Arduino UNO improved Compatible with Arduino UNO R3, Onboard MCU ATMEGA328P-AU UNO PLUS is a development board compatible with the Arduino UNO R3, an improved & enhanced alternative solution for Arduino UNO R3.



OLIMEXINO-328

Open source hardware industrial grade arduino like development board

- * ATMEGA328 microcontroller, can work at different frequencies with an easy exchange of the quartz crystal on socket. Carefully selected, all of the components work reliably in the INDUSTRIAL temperature range - 25+85C so the board can be used in INDUSTRIAL applications.
- * DCDC power supply allows power input voltage from 9 to 30V DC thus making it possible to take virtually any power supply adapter on the market, and to enable applications which are in the industrial power supply of 24VDC.
- * Li-Ion rechargeable battery power supply option with a BUILD-IN on board charger, UEXT connector
- * Which allows many existing modules like RF, ZIGBEE, GSM, GPS to be connected
- * Allows RTC - Real Time Clock. **NOISE IMMUNE** design, Separate voltage regulator for the Analog part, which allows the ADC to be read correctly without the digital noise pickup.
- * Optionally if someone needs higher precision and temperature stability in Analog reading, we have provided an Aref precise source.
- * The LEDs and the Buttons are on the edge of the board so that they can be easily accessed even if the boards have shields on them



Accessory Shield for Arduino Development,

Several Accessories IN One Board

Accessory Shield integrates common used accessories/components listed as follows:

- * Joystick (5 directions), Adjustable potentiometer, Buzzer, RGB LED, Temperature sensor, 3-axis digital accelerometer, High precision RTC, 0.96inch OLED, XBee interface IO Expansion Shield



Arduino IO Expansion Shield

- * 3-pin & 4-pin sensor interfaces, supports connecting sensors directly without complicate custom connections
- * XBee module connector, WIFI-LPT100 wireless module connector, 2.8inch Arduino Touch LCD Shield
- * Resistive touch screen TFT LCD, 2.8 inch, 320x240 resolution
- * Standard Arduino interface, compatible with development boards like : Arduino UNO, Leonardo, UNO PLUS, NUCLEO, XNUCLEO
- * Onboard stand-alone touch controller, better touching than solutions that use AD pins directly for touch control, Micro SD slot, provides an easy way to store photos for displaying
- * Controlled via SPI, only a few Arduino pins are used, Backlight adjustable by program, lower power consumption



Miscellaneous Shields

Motor Control Shield, Wifi Shield, RS485 CAN Shield, Analog Test Shield



Open Source Hardware Boards

A20-OLinuXino-MICRO/MICRO-4GB

Open source hardware embedded arm linux single board computer with dual core, dual gpu allwinner a20 cortex-a7 with additional 4gb nand flash



A20-OLinuXino-LIME/LIME2

Open source hardware embedded arm linux single board computer with allwinner a20 dual core cortex-a7 1gb ram and gigabit ethernet

RT5350F-OLinuXino and RT5350F-OLinuXino-EVB

Open source hardware embedded mips linux single board computer with rt5350f soc 2.4ghz wifi 801.11n 150mb x5 100mb ethernet ports, evb with relays and button



Internet Of Things

ESP8266 - EVB & : ESP8266-EVB-BAT :

Esp8266-evb is evaluation board for esp8266 with relay, button, uext, all gpios available on 0.1" header. Evb model with lipo charger



Embedded Development Boards & Proto Boards

LGS ARM7 PR - ARM7 TDMI LPC2148 Proto Board with all device utilities available to user on convenient connectors, Device Programming through RS232c & Onboard USB connector

Open 1768

Open1768 is an ARM Cortex-M3 development board that features an LPC1768 device as the microcontroller. It supports further expansion with various optional accessory boards for specific application. The modular and open design makes it the ideal for starting application development with ARM Cortex-M3 microcontroller.



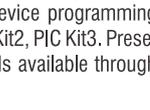
Open 1788

Open1788 is an LPC development board designed for the LPC1788FBD208 microcontroller, consists of the mother board and the MCU core board Core1788. The Open1788 supports further expansion with various optional accessory boards for specific application. The modular and open design makes it the ideal for starting application development with NXP LPC series microcontrollers.



LGS PIC PR

PIC 18Fseries Project /Prototype board with all IO lines available to user. Device programming through Boot loader and through PIC Kit2, PIC Kit3. Preset for ADC experiment, Interfacing cards available through FRC cable



Open18F4520 Standard

Open18F4520 is a PIC development board that features a PIC18F4520 device as the microcontroller. It supports further expansion with various optional accessory boards for specific application. The modular and open design makes it the ideal for starting application development with PIC microcontroller.



Many more 8051/AVR/PIC/ARM7 Development boards available in different models

Please visit www.logsunonline.com

LCD/ LCDTFT /OLED /Epaper Displays with Touch Screen

16x2 LCD Display with Yellow/Blue Backlight with 5V/3.3V
128x64 GLCD with Yellow/Blue Backlight with 5V/3.3V
4.3inch E Paper Display - 4.3inch serial interface electronic paper display
3.2/4.3/7/10.1inch TFT Display with Capacitive touch and Different resolutions
0.96inch OLED-0.96inch OLED, SPI/I2C interfaces, curved/horizontal pinheader



Wireless Communication

Zigbee & Bluetooth Modules, Boards & Evaluation modules
RF & WiFi Boards & Evaluation Modules
GSM Module with RS232C and USB Port, GPS Modules.



Wired Communication

Ethernet Modules, Ethernet to UART Module
USB to RS232C modules & industry standards converter cables
RS232C to RS485 Converter



Biomedical

Shield-EKG-EMG-PA - Passive electrodes for electrocardiography electromyography shields for duinomite, pinguino, maple, arduino like development boards

ECG-pro-3-way-cable - professional ecg cable with 3 wires, compatible with ecg gel electrodes

ECG-gel-electrode - professional sticky ecg gel electrodes



Sensors & Sensors Modules

MQ2 - For LPG, Propane, Hydrogen

MQ3 - For Alcohol, Ethanol

MQ5 - For LPG, Natural, Coal Gas

MQ7 - For Carbon Monoxide

MQ135 - Gas sensors for Benzene, Alcohol & Smoke

Sensor Modules For - Dust Sensors, Temperature & Humidity, Moisture, UV Sensors, Laser Sensors, IR sensor, Accelerometer / Angular Rate/ Compass sensors, Sound Sensor, UART Fingerprint Module, Colour sensor, Hall Sensor, Liquid Level Sensor, Flame sensors, Rotation sensor
All Sensor modules with relevant sample codes available



SMPS, Power supply, DMM, LA, DSO & other Essentials

