Raspberry Pi

Discover Pi the easy way with a range of boards, kits and bundles - everything you need to get started with Pi!

Contents

Join the conversation

Terms & Conditions

Small in size, big on performance... Raspberry Pi is taking the world by storm.

Each Raspberry Pi - from the original Raspberry Pi A+ to the powerful new Raspberry Pi 3 Model B - provides a perfect mix of performance, cost and connectivity.

At RS we have everything you need to get started with your Raspberry Pi. From kits & bundles to accessories that will help you expand the existing functionality of your Raspberry Pi or learn how to implement the latest technologies into your next project or design.

Additionally, you can visit our Online Community at www.DesignSpark.com to engage with other like-minded individuals, read blogs, watch videos and learn about the latest Raspberry Pi projects and trends.

Save time with one-stop-shop buying

Take advantage of our vast range to make us your one-stop-shop supplier for all the parts you want, at competitive prices.

Availability and breadth of range

We can provide all the necessary components to build your **Raspberry Pi** with great prices and fast delivery.

Additional support

We're here and happy to help! You can contact our friendly customer service team for your needs.

Raspberry Pi 3 Model B

- Delivering up to 10× the processing performance of the original Pi, with Wi-Fi and Bluetooth built-in
- A 1.2GHz 64-bit quad-core ARMv8 CPU
- 802.11n Wireless LAN
- Bluetooth 4.1
- Bluetooth Low Energy (BLE)

122-5826	Each
123-9470	Bulk Box of 150

Raspberry Pi 3 Starter Kit

- With this kit, you'll be exploring, programming and experimenting with a Raspberry Pi within just a few minutes
- This Official Raspberry Pi 3 Starter Kit has everything you need
- Just plug in the cables, attach to your TV or monitor and turn on

896-8119   Raspberry Pi 3 Starter Kit

Raspberry Pi 3 Premium Kit

- This kit brings together some of our most popular Raspberry Pi accessories into one kit
- It has everything required get the Raspberry Pi working. Add your choice of input device such as a mouse, keyboard or touchscreen, plug in the cables, attach to a TV or monitor and turn on
- The included SD card is pre-installed with NOOBS

DESIGNSPARK

123-7157   Raspberry Pi 3 Premium Kit

Raspberry Pi Kit for Dummies

- The CanaKit Raspberry Pi 3 Kit for Dummies is bundled to help get up and running within minutes of setting up
- The Raspberry Pi for Dummies booklet is included in the development kit and introduces a fun way of digital learning based on the Raspberry Pi board
- For see what's included in the Kit search 124-2603 at RS Online

CanaKit

124-2603   Raspberry Pi Kit for Dummies   PI3-DUMMIES-1-INT

Raspberry Pi 3 Model B and Official Raspberry Pi 3 Model B Case

- This Bundle consists of Raspberry Pi 3 Model B and Official Raspberry Pi 3 Model B Case (red/white)

122-8913   Bundle - Pi3 and Red/White Official Case

Raspberry Pi 2 Model B V1.2

- The Raspberry Pi 2 Model B V1.2 is the updated version of Raspberry Pi 2 Model B but with a Pi 3 Broadcom BCM2837 Chip
- BCM 2837 System on Chip (SoC) runs at 900 MHz
- Ten times the processing power compared to original Pi models

125-9525   Raspberry Pi 2 Model B V1.2

Raspberry Pi Model B+

- The Raspberry Pi B+ computer board is an upgraded version of the Pi B and can help you learn about programming and computing or you can create exciting, innovative projects
- 40 General Purpose Input/Output Pins (GPIO) compared to 26 on the Pi B
- Improved connectivity (4 USB Ports compared to 1)

811-1284   Raspberry Pi Model B+

Raspberry Pi 3 Premium Display Kit

- This kit brings together some of the most popular Raspberry Pi accessories into one kit
- Raspberry Pi 3 has more processing power and now includes wireless connectivity directly on the PCB.
- Included micro-SD card has NOOBS software pre-installed.2835 speed of 700 MHz

DESIGNSPARK

124-4206   Raspberry Pi 3 Premium Display Kit
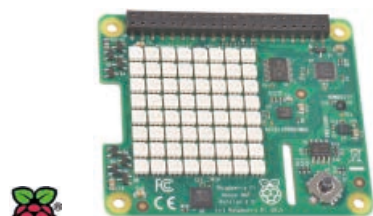
Raspberry Pi Model A+

- The A+ does not have an internet connection however, if you looking for a smaller, lighter, more economical Pi board then the A+ is ideal
- Tidier layout for improved cable arrangement
- 40 General Purpose Input/Output Pins (GPIO) compared to 26 on the Pi A

833-2699   Raspberry Pi Model A+

Buy the Pi range at RS Online!

Raspberry Pi Sense Hat

- The Sense HAT is an add-on board that fits perfectly on top of your Pi to provide you with plenty of sensing functionality
- This means that the Sense HAT is great for learning about environmental conditions, particularly within space science
- 8 × 8, 16-bit LED display that outputs sense data via shapes, icons and messages
- Inertial Measurement Unit (IMU) — essential for velocity, orientation and gravity measurement of a space craft, the IMU combines an accelerometer, gyroscope and magnetometer into one chip

894-9310   Raspberry Pi Sense Hat

Raspberry Pi 7" LCD Touch Screen

- Multi-touch capacitive touch screen — supports up to 10 finger touches
- 7 inch display
- 800 × 480 pixel resolution at 60 frames per second (fps)
- 24-bit RGB colour
- 70° viewing angle
- Only two connections required

899-7466   Raspberry Pi 7" Touch Screen LCD

Gertbot Robotics Board for Raspberry Pi

- The Gertbot is an add-on board made especially for, and compatible with all versions of the Raspberry Pi
- By plugging the Gertbot to your Pi GPIO header, you are able to control and drive various motors such as stepper and brushed motors
- High-level commands make it easy to control
- 64 MHz ARM Cortex-M3 processor
- Can drive 30 V and 2.5 A

848-6806   Gertbot Robotics Board for Raspberry Pi

Pi-Top CEED Pro

- Available in cool grey or funky green the pi-topCEED offers an exciting way to create your own Raspberry Pi-powered desktop computer
- Get started straight away with the plug and play pi-topCEED – all you need is your Raspberry Pi, a mouse and keyboard and you're ready to go!
- Features 14" HD screen with eDP interface and 1366 × 768 resolution

pi-top

| **122-6547** | Green | PT-CEED01-GR-PRO |
| **122-6548** | Grey | PT-CEED01-GY-PRO |

Raspberry Pi Compute module 3

- Introducing the new Raspberry Pi Compute Module 3 (CM3), boosting speeds significantly greater than the previous version, the new CM3 includes 1GB of RAM and the BCN2837 64-bit processor as featured in the Raspberry Pi 3
- With a smaller footprint the CM3 is perfect for those who want to use Raspberry Pi in an embedded design
- The standard device has 4GB eMMC, The 'lite' spec device has the same specifications but without the 4GB eMMC

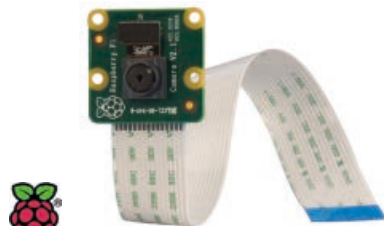| **123-2012** | Raspberry Pi Compute module 3 Lite |
| **123-2013** | Raspberry Pi 3 compute module I/O |

Raspberry Pi Compute Module 3 Development Kit

- The Compute Module 3 Development Kit is for designers who like the Raspberry Pi 3 functionality but need a smaller form factor for their embedded designs.
- BCM2837 processor
- Quad-core Cortex A53 with dedicated 512 Kbyte L2 cache
- 1 Gbyte LPDDR2 RAM

127-0226   CM3 Dev Kit

Raspberry Pi Camera Modules

- The Raspberry Pi High Definition Camera Boards connect to any Raspberry Pi or Compute Module, allowing you to create HD video and still photographs
- The module utilises the IMX219PQ image sensor from Sony which offers high-speed video imaging and high sensitivity
- The Pi NoIR (No Infrared) is the same as the standard camera module but without an IR filter

| **913-2664** | Raspberry Pi Camera Module V2 |
| **913-2673** | Raspberry Pi PiNoir (No Infrared) Camera Module V2 |

Flick Pi 3D Gesture Sensor HAT

- Pi Supply Flick HAT is an add-on board which slots directly onto your Raspberry Pi, enabling you to add 3D tracking and gesture functionalities
- Flick boards integrate perfectly into your Raspberry Pi project, providing new methods of control through gesture and touch
- You can even hide your Flick project behind a non-conductive material

Pi Supply

136-5431   Flick HAT

RS Pro PaPiRus Multi Screen Graphic E-Ink Display

- ePaper displays were designed to present display text exactly like ink to paper
- Plug the PaPiRus HAT on top of your Pi and you are ready to go with your project
- Great at reflecting light
- Breakage detection
- Holds text and images indefinitely
- 32 MB flash memory

897-7147   PaPiRus ePaper Raspberry Pi Multi Screen

pi-topPULSE Smart Speaker with LED Matrix

- pi-topPULSE is an accessory by pi-top to help build STEAM (Science, Technology, Engineering, Arts and Maths) based projects with music, lights and sound.
- The accessory can be used with pi-top or pi-topCEED, and furthermore as an add-on board to the Raspberry Pi 3 (RS 896-8660). The microphone can be used to record music and a DIY cloud-based voice service for students to ask Computer Science related questions.

pi-top

136-7934   pi-topPULSE Smart Speaker with LED Matrix

Uninterruptible Power Supply and I2C Control HAT for Raspberry Pi

- UPS Plco HV3.0 A Stack 450 is an uninterruptible power supply by ModMyPi for Raspberry Pi models A+/B+/2/3.
- The power supply comes with an embedded measurement system which checks the powering of the Pi and includes 450 mAh LiPo battery.

MODMYPI

127-0208   MMP-0045 UPS Plco I2C Control

SparqEE Accelerometer Board

- The ACCELv1.0 provides a wide input range 3-axis Accelerometer, based on the Analog Devices ADXL345, an MEMS Digital Accelerometer. This board can support any voltage I/O lines up to 15V.
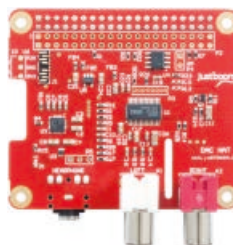
SparqEE

811-0720   SparqEE Accelerometer Board   Accelv1-0

JustBoom DAC HAT for Raspberry Pi

- JustBoom DAC HAT add-on board is a high resolution digital to analogue converter (DAC) for the Raspberry Pi (models: A+, B+, 2B or 3B)
- It is easy to connect by simply stacking the add-on plug and play board to Raspberry Pi without the need to solder
- Then connecting to a set of powered speakers or an audio amplifier allows streaming from the Cloud or local network giving a high-quality audio playback
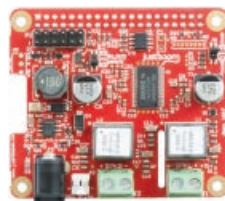
justboom

122-8179   JustBoom DAC HAT for Raspberry Pi

JustBoom Amp HAT for Raspberry Pi

- JustBoom Amp HAT is a high-quality audio amplifier with digital to analogue converter designed specifically for the Raspberry Pi (models: A+, B+, 2B or 3B)
- No external sound cards or DACs are required
- Easy to install and use, stack the plug-and-play add on board (HAT) onto your Raspberry Pi
- By connecting your Amp HAT to a set of passive speakers allows streaming from the Cloud or local network, then enjoy a high-quality audio playback within minutes of setting up this

justboom

122-8185   JustBoom Amp HAT for Raspberry Pi

Raspberry Pi LCD Touchscreens

- Add a primary touch screen to your Raspberry Pi quickly and easily with a display from 4D Systems. Available in two sizes: 3.2 inch and 3.5 inch, both of which attach via the 40 way header
- Power for the screen is supplied from the Raspberry Pi so there is no need for an additional power supply
- Installation and set up with your Raspberry Pi can be completed in just a few minutes using the software download available from the 4D Systems website
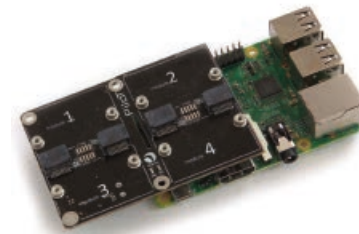
909-4105	3.2in QVGA, 320 × 240pixels	4DPI-32-II
909-4108	3.5in HVGA, 480 × 320pixels	4DPI-32-II

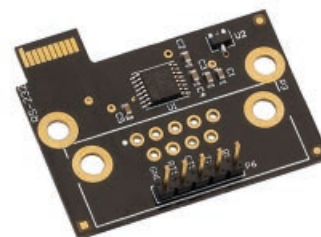## RasPiComm+ Main Board for Raspberry Pi

- The PiIoT Extension Board, (formerly known as RasPiComm+), connects to your Raspberry Pi to add extra capability such as digital and analogue I/O, serial ports, sensors, relays, GSM and GPS. PiIoT has four module slots on-board
- Within each slot, you can add a PiIoT compatible module for the functionality that you need

847-4894   RasPiComm+ main board for Raspberry Pi   RPCP-xx

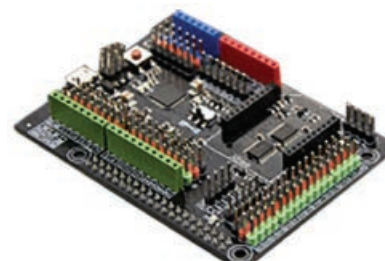## RS-232 Modules for PiIoT Raspberry Pi Extension Board

- The RS-232 module fits into one of the module slots on the PiIoT Extension Board for the Raspberry Pi
- Using the module, you can add RS-232 serial communication to your Pi-based design
- The module is ideal for measurement systems, debug terminals, PC communication, PLCs and other RS-232 connected devices

847-4901   36.6 × 29.8 mm   M232-Hx

Arduino Shield for Raspberry Pi B+/2B/3B

- Arduino Expansion Shield by DFRobot is for use with Raspberry Pi models B+/2B/3B
- The Shield adds extra facilities to the Pi by helping with the motor driving parts and delivers fast responses like obstacle avoidance in a Robotic Application

DFROBOT

124-4692   DFRobot Arduino Shield   DFR0327

Buy the Pi range at RS Online!

ADD-ON BOARDS & ACCESSORIES

GSM Module for PiloT Raspberry Pi Extension Board

- The GSM Module fits into one of the module slots on the PiloT Extension Board for the Raspberry Pi
- Using the module you can add 2G GSM into your Pi-based designStandard size SIM card slot
- GPRS multi-slot class 12/10
- GPRS Class B
- Quad-band 850/900/1800/1900 MHz

847-4941	GSM Module for Raspicomm+	MGSM-xx

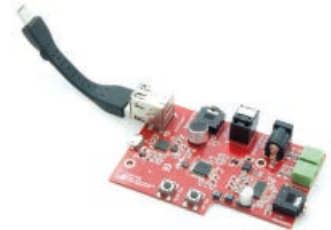## Power Over Ethernet Switch HAT for Raspberry Pi

- This Power over Ethernet (PoE) Switch HAT powers your Pi board using ethernet, meaning that there is no need for a power supply
- You can plug the HAT right on top of your Pi and start working on your project straightaway
- The HAT comes with one ethernet cable plus mounting hardware

897-7141	Pi PoE Switch HAT	

PiFi Stereo Expansion Board for Raspberry Pi

- The PIFI is an expansion board that adds a CD quality stereo audio to the Raspberry Pi
- The PIFI has the same form factor as the Pi so you can easily mount it above the Pi using a micro USB cable and stand-off pillars without blocking the GPIO header
- Ideal for projects and designs where audio playback and recording is needed

IES INTELLIGENT EMBEDDED SOLUTIONS

862-5275	Audio Expansion Board	IES-PI-hlfl

JustBoom Audio Digi HAT for Raspberry Pi

- JustBoom Digi HAT is a high-resolution digital audio output add-on board for the Raspberry Pi
- Simply stack the plug-and-play add on board (HAT) onto your Raspberry Pi (models: A+, B+, 2B or 3B) and is ready to use
- Streaming from the Cloud or local network with the JustBoom Digi HAT produces a high-quality audio playback, the design is easy to use and comes with all the mounting hardware

justboom

122-8183	JustBoom Audio HAT	

JustBoom HAT Cases

- Supports and protects your JustBoom HAT, and Raspberry Pi
- Easy to open case allows for quick access to your Amp, DAC or Raspberry Pi boards
- Smooth black finish that blends in with any audio setup
- Leaves all ports accessible
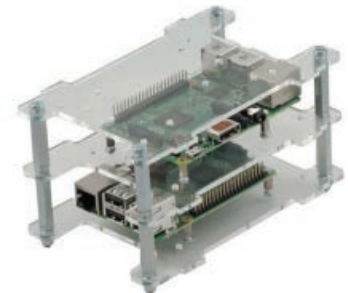- Compatible with the Raspberry Pi 3, 2, and B+

Pi Supply

124-9367	JustBoom DAC HAT Case
124-9368	JustBoom Digi HAT Case
124-9369	JustBoom Amp HAT Case

Multi-Raspberry Pi Stackable Case Kit

- The Multi-Raspberry Pi Stackable Case Kit can stack 2 Raspberry Pi's. Also the kit is simple to assemble.
- Overall Dimensions: 140 × 91 × 70 mm
- Bay Height: 30 mm

MODMYPI

127-0213	7 Port USB Hub Case, Transparent	MMP-0034

Micro USB Cables with Inline Switch

- Provides a simple and convenient switch to turn your Raspberry Pi on and off
- The PSU connects to one end and the other into the Raspberry Pi
- Available in black and white

CABLE POWER

124-3469	Black	CPAL-MICRO-MF-002
124-3470	White	CPAL-MICRO-MF-003

New Out Of Box Software (NOOBS) microSD Card and SD Card Adapter

- New Out Of Box Software (NOOBS) helps you set up your Pi and is available pre-installed on a microSD flash memory card, which also doubles up as an SD card adaptor
- To get started, connect your Pi to a keyboard, mouse, power supply and screen and place the NOOBS card into the microSD card slot
- Your next step is to install the operating system that you would like to use on your Pi
-

SanDisk

121-3897	NOOBS 16GB SD Card	

Raspberry Pi DIN Rail Enclosure

- The RPI-BC enclosure from Phoenix Contact is designed to house a Raspberry Pi model A+, B+, B2 or B3
- It features tool-free mounting and complies with DIN 43880 enabling it to be integrated in a distributor housing
- The RPI-BC housing system can be mounted on a TS 35 DIN Rail or on a wall

PHOENIX CONTACT

122-4298	Grey Polycarbonate	2202874

Official Pi 3 Power Supplies

- This Pi Foundation approved power supply unit (PSU) for the Pi 3, is available at RS in both black and white
- 2.5 A 5.1 V power supply
- 1.5 m cable
- Short circuit, over-current and over-voltage protection

909-8135	Black	T5989DV
909-8126	White	T5875DV

Raspberry Pi B+ / 2B / 3B Cases

- The Quattro case is designed to house the Raspberry Pi B+, Pi 2B or Pi 3B single board computers.
- The case has a square form factor and is available in a choice of four colours.

DESIGNSPARK

136-0236	Raspberry Pi B+/2B/3B Case, Red, White	

HDMI to VGA adaptor 300mm

- The input connector is a standard HDMI Male and the output a VGA female which supports the following monitor resolutions: 1024×768, 1280×768, 1280×1024, 1366×768, 1440×900
- The converter takes power from the HDMI source so no external power supply is required
- Suitable for use with Raspberry Pi

778-1882	Black adaptor, 300mm	EAHDMI000L00008

Official Pi 3 Model B Cases

- The Official Raspberry Pi 3 Model B protective case is available in both red/white and black/grey colour combinations
- Easy snap-fit assembly
- Range of case display/access options: fully closed, sides away, birds eye view
- Cut-outs of all connection points

909-8138	Black/Grey	TZT 241 AAB-01
909-8132	Red/White	TZT 241 AAA-01

Official Raspberry Pi USB WiFi Dongle

- This compact, white, plug and play wireless adaptor is perfect for your Pi
- Fantastic performance with a strong WiFi reception
- Easy to use — plug into a USB port on your Pi and you are ready to go
- Compact in size: 30 × 16 × 8 mm
- NOOBS and Raspbian operating system support

892-0012	USB Wireless WiFi Dongle	Wifi Adaptor

Official Raspberry Pi HDMI to HDMI Leads

- The official Raspberry Pi HDMI cables are for use with the Raspberry Pi 3 board
- Available in black or white, and with a choice of 1 m or 2 m, the Raspberry Pi HDMI cables meet the Version 2.0 standards
- Triple shielded
- Nickel plated contacts
- 2.0 Version with Ethernet and Audio return channel

CABLE POWER

111-1030	Black, 1m	CPRP010-B
111-1032	Black, 2m	CPRP020-B
111-1029	White, 1m	CPRP010-W
111-1031	White, 2m	CPRP020-W

DesignSpark Raspberry Pi Touchscreen Cases

- The Touch Screen cases from DesignSpark are designed to house your Raspberry Pi board and the Raspberry Pi 7" LCD Touch Screen (899-7466).
- Available in black, white or clear, the cases provide protection to the board and the display
- The case also acts as a bezel to the display, improving its appearance while housing the board neatly behind it

DESIGNSPARK

906-4665	Black	ASM-1900035-21
117-6025	Clear	ASM-1900035-01
100-3894	White	ASM-1900035-11

DesignSpark Raspberry Pi 3 Cases

- Our protective cases for the Raspberry Pi are available in four colours — black, clear, white and red
- Made of ABS plastic
- Plenty of ventilation
- Rubber feet
- Cut-outs for all connections

DESIGNSPARK

908-4212	White	ASM-1900036-11
908-4215	Black	ASM-1900036-21
908-4218	Clear	ASM-1900036-01
124-6622	Red	ASM-1900036-51

Heatsinks for the Raspberry Pi

- ModMyPi Raspberry Pi Heatsink Kit consists of two aluminium heatsinks that are suitable for Raspberry Pi boards.
- A thermal adhesive tape to help clamp and secure each heatsink down by creating a perfect heat-transfer bond
- Heat sinks are available in various anodised colour finish.
- Adhesive Foil Mount

MODMYPI

127-0214	Multicomp, PiBow, 25°C/W	

Buy the Pi range at RS Online!

NEED A QUOTE?

Enjoy super savings with our quotation service.

Contact us today to see how much you could save.

SINGAPORE

+65 6865 3400
quote.sg@rs-components.com

sg.rs-online.com

PHILIPPINES

+632 888 4030
onlinehelp.ph@rs-components.com

ph.rs-online.com

TAIWAN

0800 088 238
onlinehelp.tw@rs-components.com

twcn.rs-online.com
twen.rs-online.com

INDONESIA, VIETNAM, CAMBODIA, BRUNEI, MYANMAR & LAOS

+852 2610 6426 / +852 9738 6892
jimson.chiew@rs-components.com

sg.rs-online.com

MALAYSIA

+603 5021 5888
onlinehelp.my@rs-components.com

my.rs-online.com

THAILAND

+66 2 648 6868
onlinehelp.th@rs-components.com

th.rs-online.com

SOUTH KOREA

007 988 521 6580 / +82 10 9324 4432
william.choi@rs-components.com

kr.rs-online.com