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Raspberry Pi 4 Model B (2 GB)

● DEV-15446

★★★★☆ 1

DESCRIPTION   **FEATURES**   DOCUMENTS

- Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
- 2GB LPDDR4-2400 SDRAM
- 2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN, Bluetooth 5.0, BLE
- True Gigabit Ethernet
- 2 × USB 3.0 Ports, 2 x USB 2.0 Ports
- Fully backwards compatible 40-pin GPIO header
- 2 × micro HDMI ports supporting up to 4K 60fps video resolution
- 2-lane MIPI DSI/CSI ports for camera and display
- 4-pole stereo audio and composite video port
- Micro SD card slot for loading operating system and data storage
- Requires 5.1V, 3A power via USB Type C or GPIO
- PoE (Power over Ethernet) enabled (requires PoE HAT)

Tags

2GB   BLUETOOTH   DEVELOPMENT   GPIO   IOT   MACHINE LEARNING   MICRO HDMI   RASPBERRY PI   RASPBERRY PI 4 B   START A PROJECT   TENSORFLOW   WIFI   WIRELESS

Raspberry Pi 4 Model B (2 GB) Product Help and Resources

TUTORIALS   SKILLS NEEDED

Computer Vision and Projection Mapping in Python
FEBRUARY 6, 2019

Use computer vision to detect faces and project images on top of them.

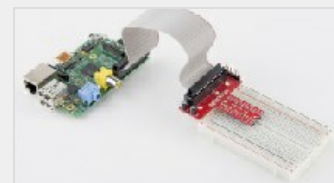### How to Run a Raspberry Pi Program on Startup
SEPTEMBER 18, 2018

In this tutorial, we look at various methods for running a script or program automatically whenever your Raspberry Pi (or other Linux computer) boots up.

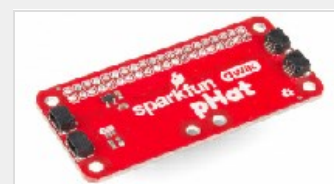### Headless Raspberry Pi Setup
APRIL 23, 2018

Configure a Raspberry Pi without a keyboard, mouse, or monitor.

Raspberry gPIo
OCTOBER 29, 2015

How to use either Python or C++ to drive the I/O lines on a Raspberry Pi.

Raspberry Pi SPI and I2C Tutorial
OCTOBER 29, 2015

Learn how to use serial I2C and SPI buses on your Raspberry Pi using the wiringPi I/O library for C/C++ and spidev/smbus for Python.

How to Use Remote Desktop on the Raspberry Pi with VNC
JULY 9, 2018

Use RealVNC to connect to your Raspberry Pi to control the graphical desktop remotely across the network.

Qwiic Kit for Raspberry Pi Hookup Guide
JULY 4, 2019

Get started with the CCS811, BME280, VCNL4040, and microOLED via I2C using the Qwiic system and Python on a Raspberry Pi! Take sensor readings from the enviroment and display them on the microOLED, serial terminal, or the cloud with Cayenne!

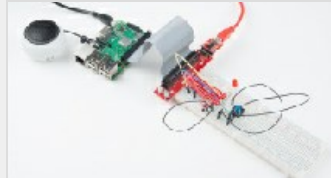### Qwiic pHAT for Raspberry Pi Hookup Guide
MAY 23, 2019

Get started interfacing your Qwiic enabled boards with your Raspberry Pi. The Qwiic pHAT connects the I2C bus (GND, 3.3V, SDA, and SCL) on your Raspberry Pi to an array of Qwiic connectors.

Setting up a Raspberry Pi 3 as an Access Point
APRIL 23, 2018

This guide will show you how to configure a Raspberry Pi as an access point and connect it to your local Ethernet network to share Internet to other WiFi devices.

Python Programming Tutorial: Getting Started with the Raspberry Pi
JUNE 27, 2018

This guide will show you how to write programs on your Raspberry Pi using Python to control hardware.

Python GUI Guide: Introduction to Tkinter
AUGUST 13, 2018

Tkinter is the standard graphical user interface package that comes with Python. This tutorial will show you how to create basic windowed applications as well as complete full-screen dashboard examples complete with live graph updates from matplotlib.

COMMENTS 0   **REVIEWS** ★★★★☆ 1

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★★★★☆ **Great product**

about 3 weeks ago by **Member #1568013** ✔ verified purchaser

Used this to replace an old computer that was setup for monitoring doors and motion sensors. Much smaller and less power usage than the old computer, and this Pi is faster and has more memory - all for . Great buy.

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In 2003, CU student Nate Seidle fried a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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