

# Raspberry Pi 4 Desktop Kits

2/4/8GB memory, desktop performance comparable to entry-level x86 PC systems

## Product Overview

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## Description

The Raspberry Pi 4 Desktop Kits from SparkFun are available with either 2GB, 4GB, or 8GB of memory, providing a desktop performance comparable to entry-level x86 PC systems.

The SparkFun Raspberry Pi Desktop Kits provide increases in processor speed, multimedia performance, memory, and connectivity compared to the prior-generation Raspberry Pi 3 Model B+. This all while retaining backward compatibility and similar power consumption.

The SparkFun Raspberry Pi 4 Desktop Kits feature a high-performance 64-bit quad-core processor, dual-display support at resolutions up to 4K via a pair of micro-HDMI ports, hardware video decode at up to 4Kp60, up to 8GB of RAM, dual-band 2.4/5.0GHz wireless LAN, Bluetooth 5.0, Gigabit Ethernet, USB 3.0, and PoE capability (via a separate PoE HAT add-on). The Kingston Canvas Go! Plus 64GB microSD card provides the capacity and blazing fast read-write speeds to run most operating systems for the Raspberry Pi platform. The Logitech K400 keyboard provides a plug-and-play HID solution for the system. The USB Type C wall adapter and Type-C to Type-C cable provide a modular power system for the Raspberry Pi 4.



The metal heat sink case with thermal tape provides protection for the Raspberry Pi Board and also cools the major components allowing it to run smoothly during heavy usage. The HDMI to micro-HDMI cable provides an interface to any HDMI monitors and Qwiic Shim allows for adding another level to desktop setup by attaching Qwiic boards.

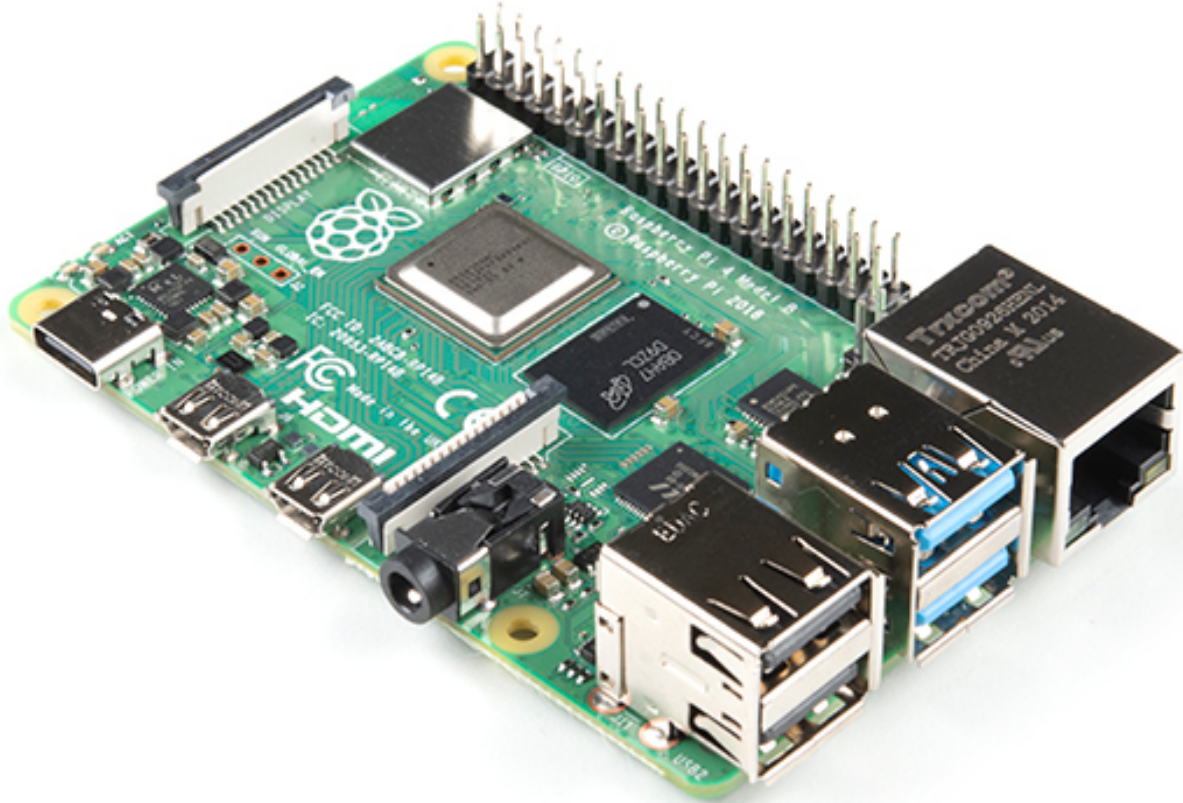
## Kit Contents

- Raspberry Pi 4
- Logitech K400 Plus Wireless Keyboard with Touchpad
- Kingston Canvas Go! Plus 64GB MicroSD Card with Adapter
- USB Type C to Type C Male Cable (2/3 Meter)
- USB Type C Wall Adapter
- Metal Heatsink Case with Thermal Tape - Black
- HDMI to Micro HDMI Cable
- SparkFun Qwiic SHIM for Raspberry Pi

## Specifications

- Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz Processor
- 2GB/4GB/8GB LPDDR4 Memory
- Connectivity:
  - 2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac wireless
  - LAN, Bluetooth 5.0, BLE
  - Gigabit Ethernet
  - 2 × USB 3.0 ports
  - 2 × USB 2.0 ports
- Standard 40-pin GPIO header (fully backward-compatible with previous boards)
- Video:
  - 2 × micro HDMI ports (up to 4Kp60 supported)
  - 2-lane MIPI DSI display port
  - 2-lane MIPI CSI camera port
  - 4-pole stereo audio and composite video port
- Multimedia:
  - H.265 (4Kp60 decode)
  - H.264 (1080p60 decode, 1080p30 encode)
  - OpenGL ES, 3.0 graphics
- Micro SD card slot for loading operating system and data storage
- Input power:
  - 5V DC via USB-C connector (minimum 3A1)
  - 5V DC via GPIO header (minimum 3A1)
  - Power over Ethernet (PoE)-enabled (requires separate PoE HAT)
- Operating temperature 0-50°C

## Raspberry Pi 4 Closer Look



## Mouser Part Number

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