



## The Raspberry Pi 4 Grove Beginner Kit includes:

- Raspberry Pi 4 Computer Model B 4GB
- Wall Adapter Power Supply - 5VDC 3A Type-C
- Micro SD Card with Card Reader-32GB(Class 10)
- Heat Sink Kit for Raspberry Pi 4B - Gold Aluminum and Copper Blocks
- Micro HDMI to Standard HDMI Male Cable - 1m(Support Pi 4)
- Cat6 Ethernet Cable - 1 Meter
- Grove Base Hat for Raspberry Pi
- Grove - Blue LED
- Grove - Button
- Grove - White LED
- Grove - Red LED
- Grove - Temperature Sensor
- Grove - Ultrasonic Distance Sensor

Except for Media Centre Kit, we have prepared more raspberry pi kits based on raspberry Pi 4(4GB) for different prototype purposes.

Raspberry Pi 4 (4GB) Basic Kit

Raspberry Pi 4 (4GB) Starter Kit

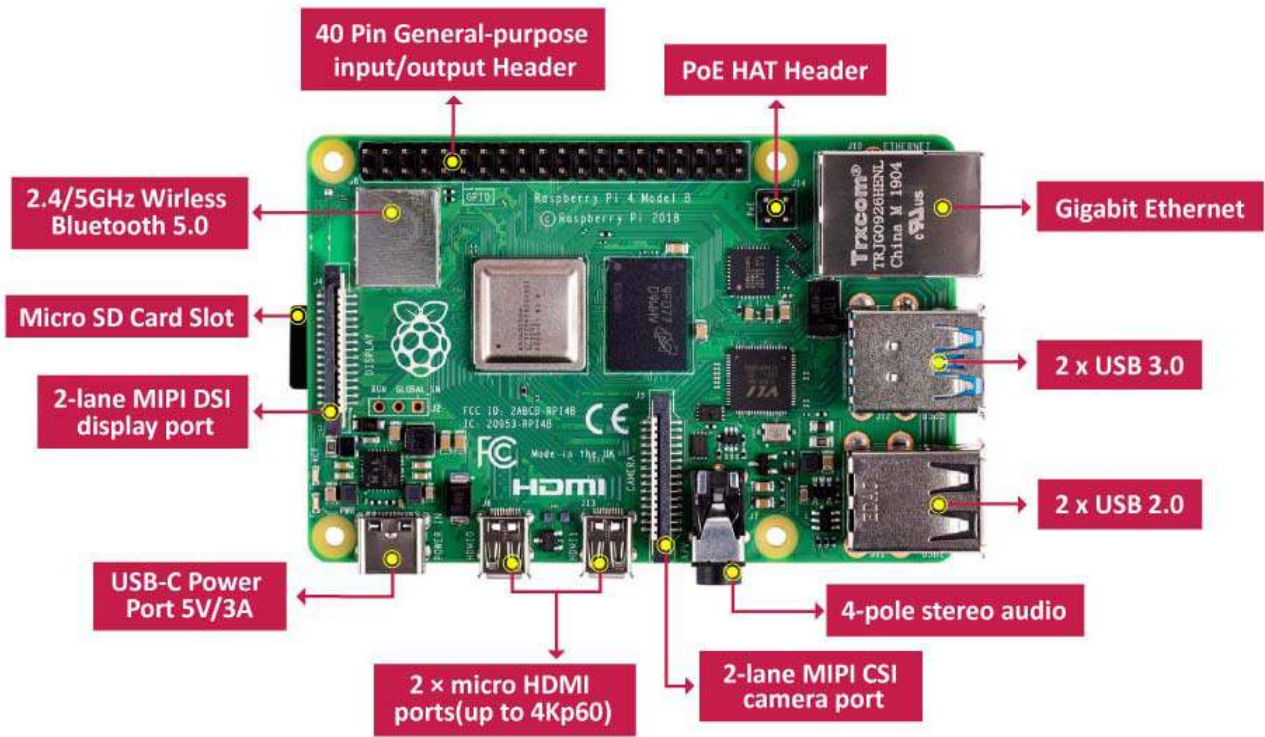
Raspberry Pi 4 (4GB) Media Centre Kit

Raspberry Pi 4 Deskstop Kit

## Specification

- Processor: Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
- Memory: 1GB, 2GB or 4GB LPDDR4(dependent on model)
- Connectivity:
- 2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless
- LAN, Bluetooth 5.0, BLE
- Gigabit Ethernet
- 2 × USB 3.0 ports
- 2 × USB 2.0 ports
- GPIO: Standard 40-pin GPIO header(fully backwards-compatible with previous boards)
- Video & Sound:
- 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
- SD card support: Micro SD card slot for loading operating system and data storage
- Input power:
- 5V DC via USB-C connector (minimum 3A)
- 5V DC via GPIO header (minimum 3A)
- Power over Ethernet (PoE)-enabled(requires separate PoE HAT)
- Environment: Operating temperature 0–50°C
- Compliance: For a full list of local and regional product approvals, please visit <https://www.raspberrypi.org/documentation/hardware/raspberrypi/conformity.md>
- Production lifetime: The Raspberry Pi 4 Model B will remain in production until at least January 2026.

# Hardware Overview



*Raspberry Pi 4 Hardware Overview by Seed*

## Part List

Raspberry Pi 4 Computer Model B 4GB	1
Wall Adapter Power Supply - 5VDC 3A Type-C	1
Micro SD Card with Card Reader-32GB	1
Heat Sink Kit for Raspberry Pi 4B - Gold Aluminum and Copper Blocks	1

Micro HDMI to Standard HDMI Male Cable - 1M	1
Cat6 Ethernet Cable - 1 Meter	1
Grove Base Hat for Raspberry Pi	1
Grove - Blue LED	1
Grove - Button	1
Grove - White LED	1
Grove - Red LED	1
Grove - Temperature Sensor	1
Grove - Ultrasonic Distance Sensor	1
Grove - Relay	1

**ECCN/HTS**

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