



On Board Components

- Quad-core Cortex- (ARM v8) 64-bit, 1.5GHz,
- Linux OS,
- 64 GB Storage memory (OS Storage),
- Connectivity: Ethernet, Wi-Fi, Bluetooth
- Atmega 328 MCU,
- 240 GB SSD External storage
- External monitor for display
- GPIO extension: I2C,, SPI, UART
- Temperature
- Humidity s
- USB camera
- microphone
- Frame Rate Capture: 30fps.

Technical Specification

1. Model-Raspberry Pi

- Processor- Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit
- SoC @ 1.5GHz
- RAM Memory – 4 GB LPDDR4 SDRAM

2. Connectivity:-

- 2 × USB 2.0 Ports
- 2 × USB 3.0 Ports
- 2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN, BLE Gigabit
- Ethernet Bluetooth 5.0

3. Operating Power:-

- 5 Volt 3 Ampere DC via GPIO Header
- 5 Volt 3 Ampere DC via USB Type-C Connector
- Power Over Ethernet (PoE)–Enabled (requires separate PoE HAT)

4. GPIO- (Fully backwards compatible with previous boards)

5. Multimedia:-

- H.264 (1080p60 decode, 1080p30 encode);
- H.265 (4Kp60 decode);
- OpenGL ES, 3.0 Graphics

6. Video and Sound:-

- 2 × micro HDMI ports (up to 4Kp60 supported)
- 2-Lane MIPI CSI Camera Port
- 2-Lane MIPI DSI Display Port
- 4-Pole Stereo Audio and Composite Video Port

7. Clock Speed- 1.5 GHz

8. Micro-SD Card Slot- Yes (FAT32 format), support maximum 32G Micro SD

- Card Memory Features

9. Operating Temperature Range- 0°C to 50°C

Note: Specifications are subject to change.

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