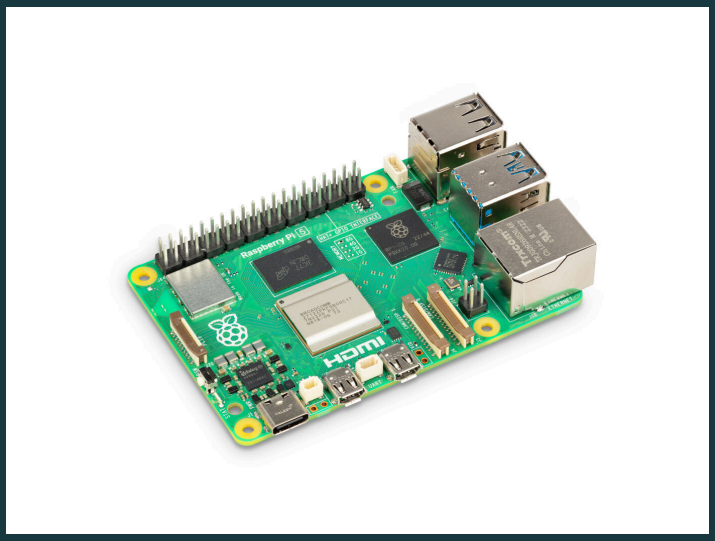
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Raspberry Pi5 1GB

Raspberry Pi5 1GB delivers flagship performance and versatile connectivity for PC alternatives, multimedia centers, consoles, education and learning tools, smart home systems, sensor networks, remote monitoring, industrial...

SKU	UPDATED	PRICE
100037173	2026-10-27 01:04:30	$45.00(Excl. VAT)



Overview



The Raspberry Pi5 1GB is a flagship development computer featuring a 64-bit quad-core Arm Cortex-A76 processor running at 2.4GHz and an 800MHz VideoCore VII GPU. It provides state-of-the-art camera support via dual 4-lane 1Gbps MIPI DSI/CSI connectors, versatile connectivities including Gigabit Ethernet, PCIe, dual-band Wi-Fi, Bluetooth 5.0/BLE, and enhanced peripherals such as 2x USB 3.0 5Gbps, 2x USB2.0 ports, 1x RTC, and 2x 4Kp60 display output with HDR support.

Key Features

01 **Raspberry Pi Fifth Flagship Development Computer**

Feature a 64-bit quad-core Arm Cortex-A76 processor running at 2.4GHz, using silicon built in-house at Raspberry Pi, offering a step change in peripheral performance and functionality

02 **Significant Graphics Capability**

Equip an 800MHz VideoCore VII GPU and deliver better graphics performance, suitable for multimedia applications, gaming, and graphics-intensive tasks

03 **State-of-the-Art Camera Support**

Built with the dedicated dual 4-lane 1Gbps MIPI DSI/CSI connectors, tripling total bandwidth, and supporting any combination of up to two cameras or displays

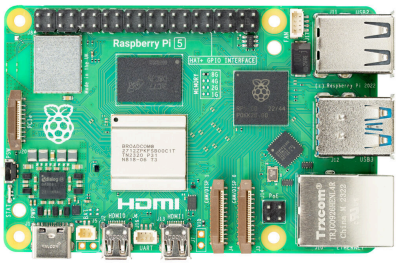
04 **Versatile Connectivities**

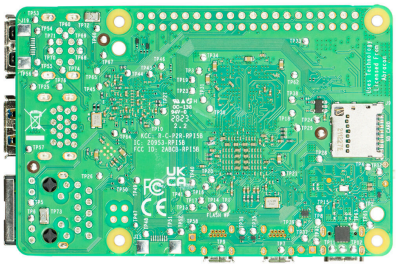
Offer Gigabit Ethernet and a PCIe interface, along with dual-band Wi-Fi and Bluetooth 5.0/BLE wireless capability

05 **Enhanced Peripherals**

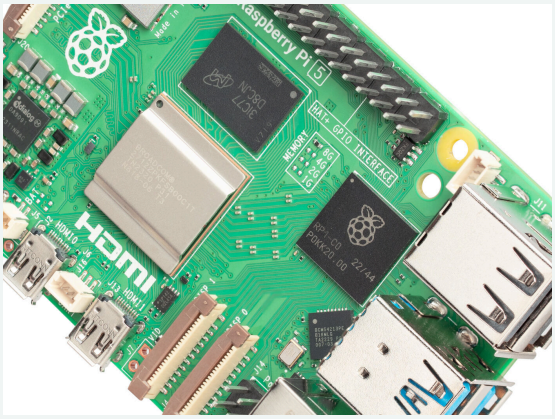
Provide 1x UART connector, 1x microSD card slot supporting high-speed, 2x USB.0 3.0 supporting sync 5Gbps operation, 2x USB2.0 ports ports, 1x RTC, 2x 4Kp60 display output with HDR support

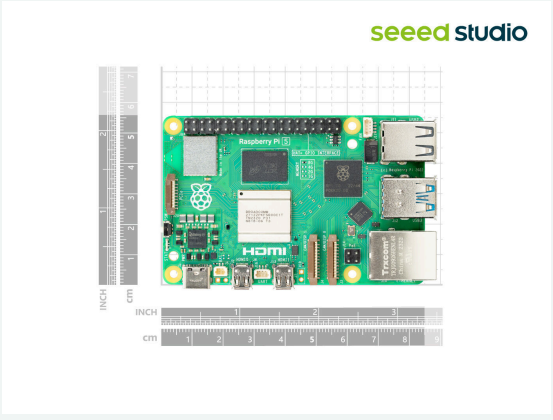
Product Gallery



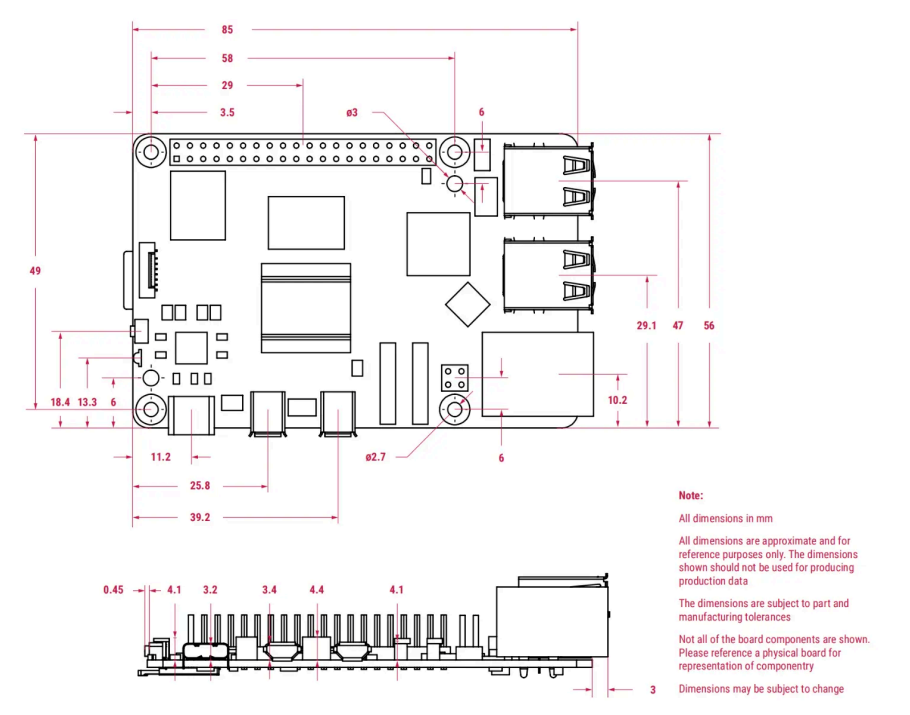








Hardware Overview



Applications

- **PC alternatives**
- **Multimedia Center**
- **Console**
- **Education and Learning Tools**
- **Smart Home Systems**
- **Sensor Network**
- **Remote Monitoring**
- **Industrial Automation**
- **Embedded Systems Development**

Resource Links

- https://www.seeedstudio.com/Raspberry-Pi5-1GB-p-6627.html
- Raspberry Pi 5 product brief
- Raspberry Pi 5 mechanical drawing
- Getting started documentation
- RP1 peripherals documentation

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