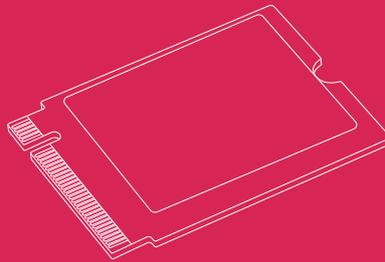




Raspberry Pi SSD

Published October 2024



Overview



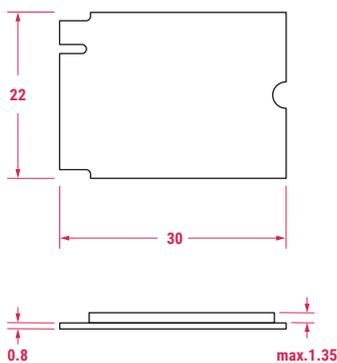
A Raspberry Pi SSD unlocks outstanding performance for I/O intensive applications on Raspberry Pi 5 and other devices, including super-fast startup when booting from SSD. It is a reliable, responsive, and high-performance PCIe Gen 3-compliant SSD capable of fast data transfer, available with 256GB or 512GB capacity.

Requires a Raspberry Pi 5-compatible M.2 adapter, such as the Raspberry Pi M.2 HAT+ (sold separately).

Specification

Features:	256GB NVMe – 40k IOPS (4kB random reads) 70k IOPS (4kB random writes) 512GB NVMe – 50k IOPS (4kB random reads) 90k IOPS (4kB random writes) Complies with PCIe Gen 3 standard NVMe 1.4 register interface and command set
Form factor:	M.2 2230
Operating temperature:	0°C to 70°C (ambient)
Production lifetime:	The Raspberry Pi SSD will remain in production until at least January 2032
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com

Physical specification



Note:

All dimensions in mm

All dimensions are approximate and for reference purposes only. The dimensions shown should not be used for producing production data

The dimensions are subject to part and manufacturing tolerances

Dimensions may be subject to change

WARNINGS

- This product should be operated in a well ventilated environment, and if used inside a case, the case should not be covered.
- The connection of Raspberry Pi SSDs to incompatible devices may affect compliance, result in damage to the unit, and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met.

SAFETY INSTRUCTIONS

To avoid malfunction or damage to this product, please observe the following:

- **Important:** Before connecting this device, shut down your Raspberry Pi computer and disconnect it from external power.
- This device should be operated in a dry environment at normal ambient temperatures.
- Do not expose to water or moisture, or place on a conductive surface whilst in operation.
- Do not expose to heat from any source; Raspberry Pi SSDs are designed for reliable operation at normal ambient temperatures.
- Store in a cool, dry location.
- Avoid rapid changes of temperature, which can cause moisture to build up in the device, affecting performance.
- Take care whilst handling to avoid mechanical or electrical damage to the connectors.



Raspberry Pi is a trademark of Raspberry Pi Ltd
