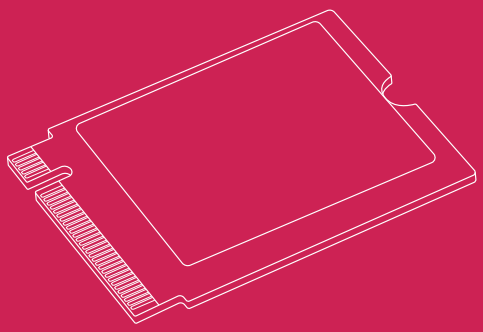
Raspberry Pi SSD

Published November 2026



Overview



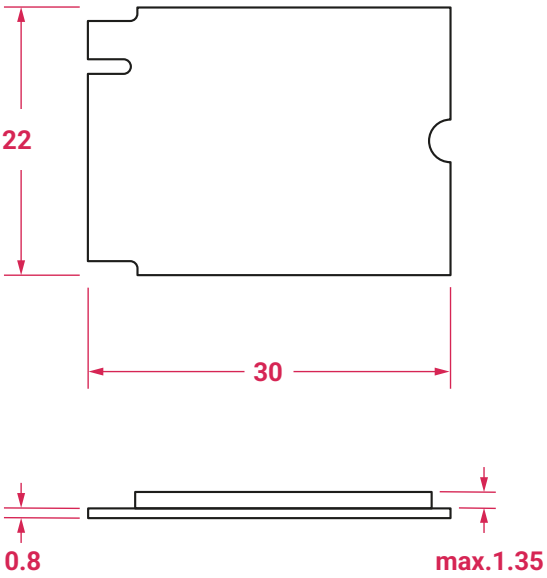
A Raspberry Pi SSD unlocks outstanding performance for I/O intensive applications on Raspberry Pi 5 and other devices, including super-fast startup when booting from SSD. It is a reliable, responsive, and high-performance PCIe Gen 3-compliant SSD capable of fast data transfer, available with 256GB, 512GB or 1TB capacity.

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

Specification

Features	**256GB** 40k IOPS (4kB random reads) 70k IOPS (4kB random writes) **512GB** 50k IOPS (4kB random reads) 90k IOPS (4kB random writes) **1TB** 90k 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



Safety and warnings

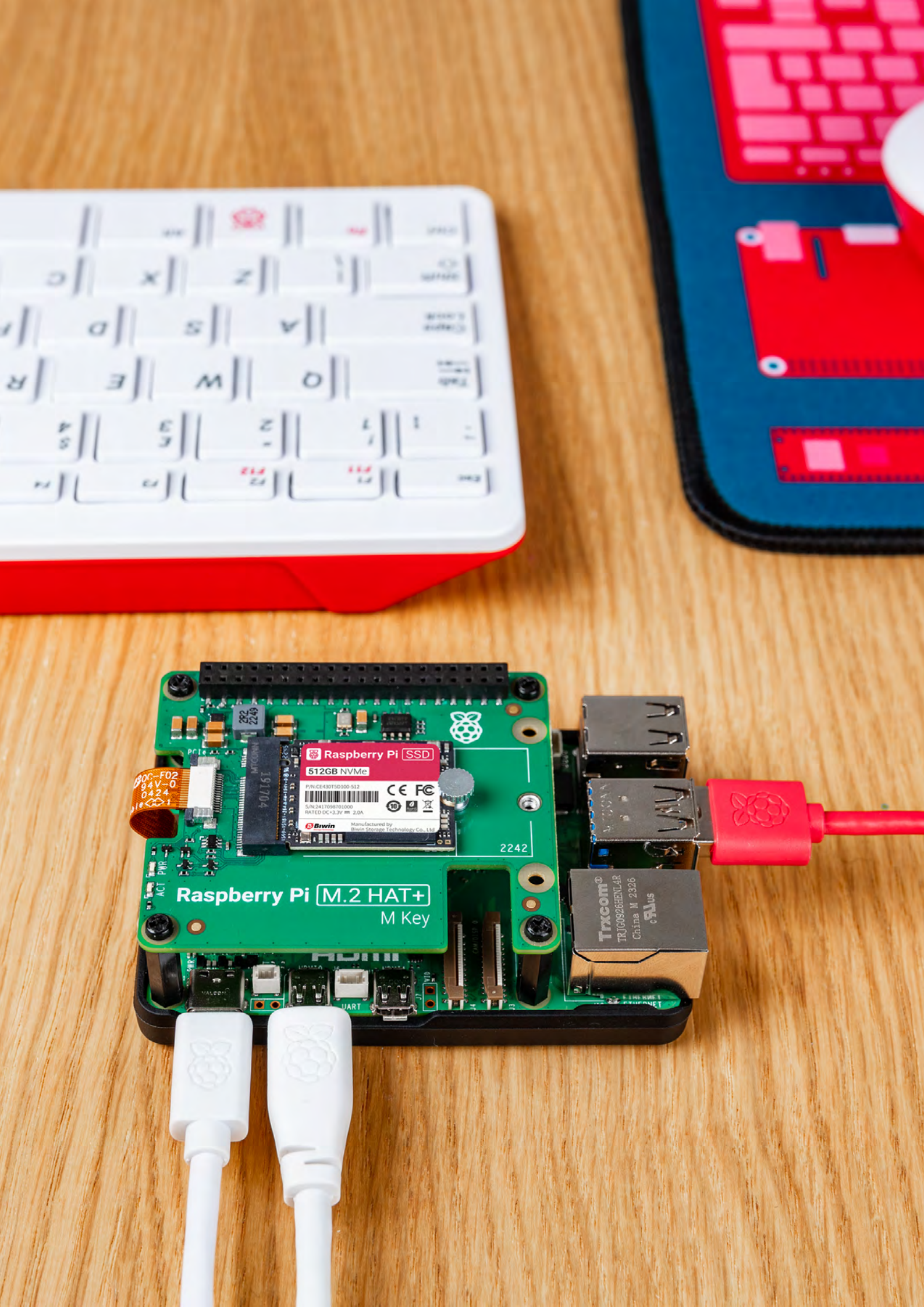
WARNINGS

- 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 SSD
512GB NVMe
Raspberry Pi M.2 HAT+
M Key
2242
Trxcom
China M 2326
ACT PWR
UART



Raspberry Pi

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