Raspberry Pi SSD Kit

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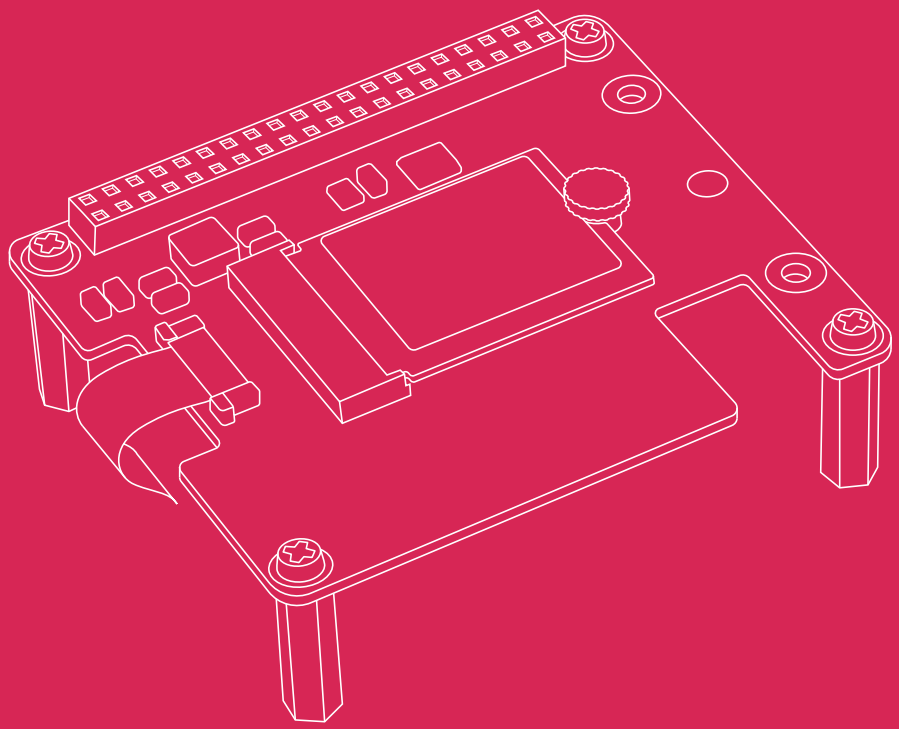


Raspberry Pi Ltd

Overview

The Raspberry Pi SSD Kit bundles a Raspberry Pi M.2 HAT+ with a Raspberry Pi NVMe SSD. It unlocks outstanding performance for I/O intensive applications on Raspberry Pi 5, including super-fast startup when booting from SSD. The Raspberry Pi SSD Kit is available with 256GB or 512GB capacity, and includes a 16mm stacking header, spacers, and screws to enable fitting on Raspberry Pi 5 with the Raspberry Pi Active Cooler in place.

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)

Conforms to the Raspberry Pi HAT+ specification

Contains a Raspberry Pi SSD (256GB NVMe or 512GB NVMe)

Operating temperature:

0℃ to 50℃ (ambient)

Production lifetime:

The Raspberry Pi SSD Kit will remain in production until at least January 2032

Compliance:

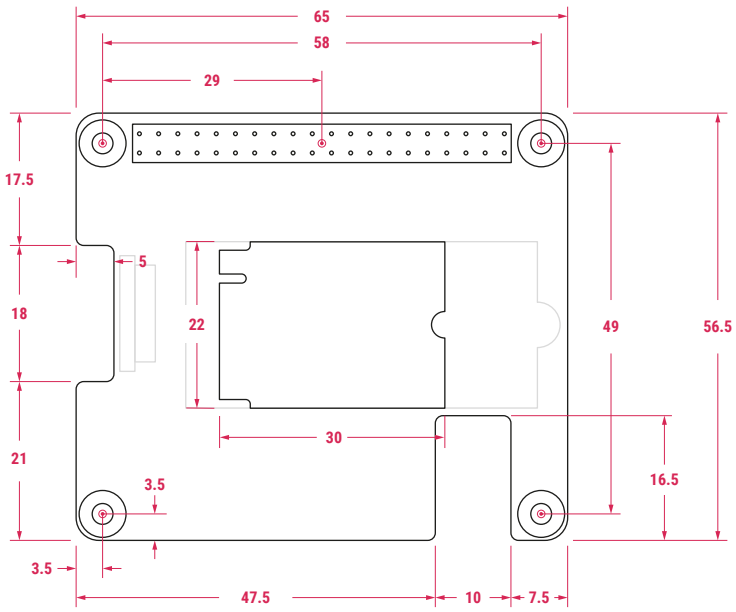
For a full list of local and regional product approvals, please visit pip.raspberrypi.com

List price:

SSD Kit 256GB – **$40**

SSD Kit 512GB – **$55**

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

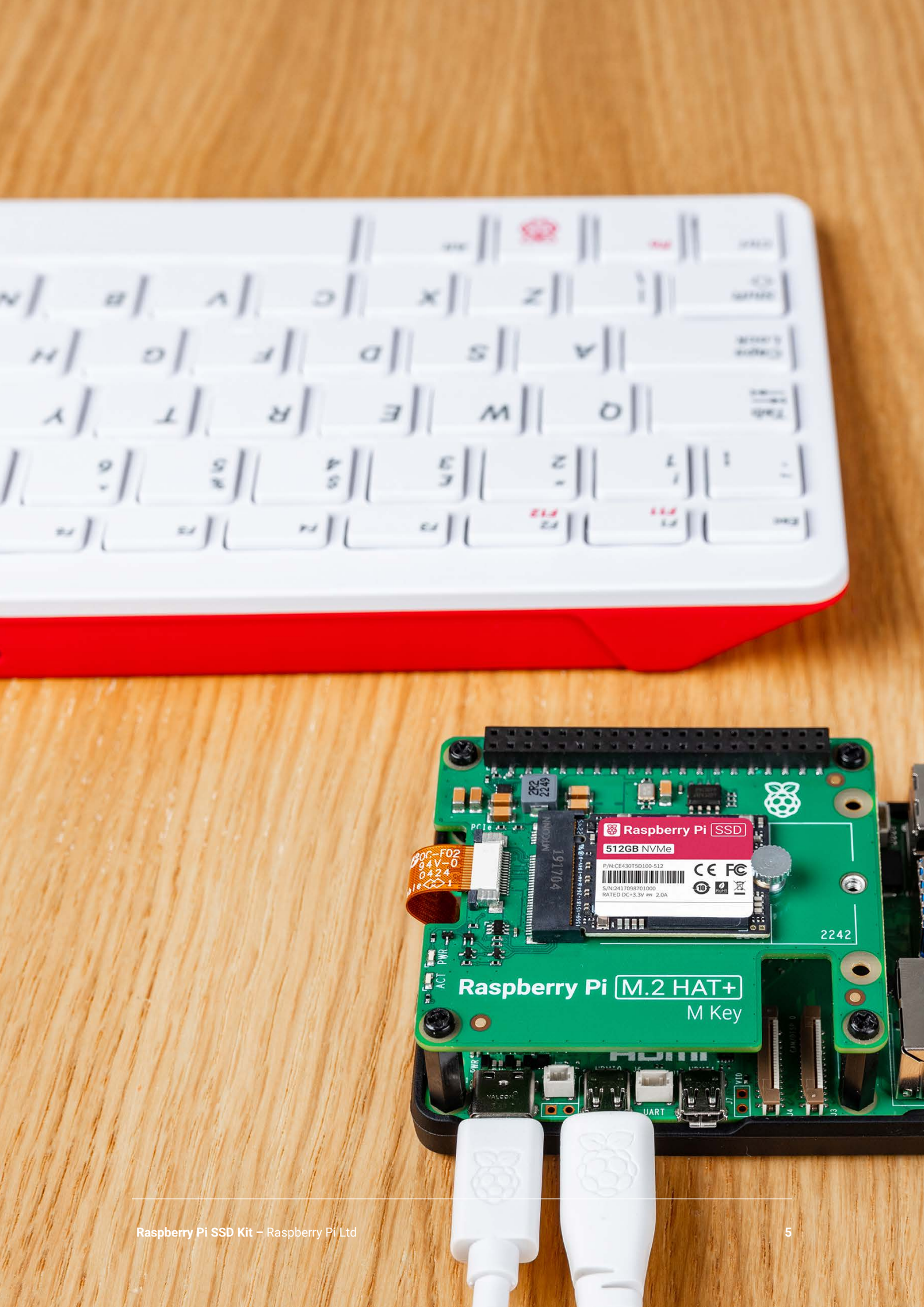
WARNINGS

- This product shall only be connected to a Raspberry Pi via the PCIe interface and GPIO header.
- Any external power supply used with the Raspberry Pi M.2 HAT+ shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment, and if used inside a case, the case should not be covered.
- Whilst in use, this product should be firmly secured, and should not be contacted by conductive items.
- The connection of incompatible devices to the Raspberry Pi M.2 HAT+ 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.
- The cables and connectors of all peripherals used with this product must have adequate insulation so that relevant safety requirements are met.
- Operation of this device requires adult supervision.

SAFETY INSTRUCTIONS

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

- 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 computers and the Raspberry Pi M.2 HAT+ are designed for reliable operation at normal ambient temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Whilst it is powered, avoid handling the printed circuit board, or only handle it by the corners to minimise the risk of electrostatic discharge damage.


Raspberry Pi SSD
512GB NVMe
P/N:CE430T5D100-512
S/N:2417098701000
RATED DC+3.3V 2.0A
2242
Raspberry Pi M.2 HAT+
M Key
PWR
ACT
UART

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