

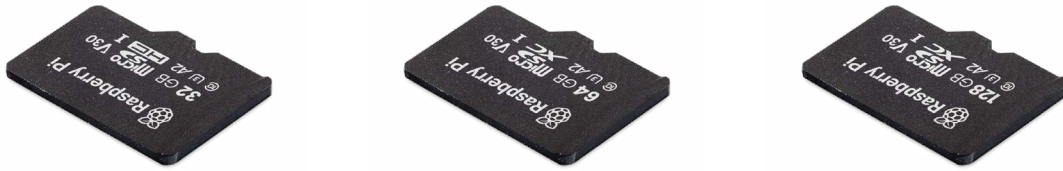


Raspberry Pi SD Cards

Published October 2024



Overview



SD card quality is a critical factor in determining the overall user experience for a Raspberry Pi computer. Raspberry Pi's high-quality A2 microSD cards support higher bus speeds as well as the command queueing extension, which permits a degree of pipelining of random read operations; together these close some of the gap between SD card and NVMe SSD performance. Raspberry Pi SD Cards have been rigorously tested with Raspberry Pi computers to ensure optimal performance.

Raspberry Pi SD Cards are available in 32GB, 64GB, and 128GB variants, either unprogrammed or pre-programmed with Raspberry Pi OS. They are also available with Raspberry Pi-branded microSD-to-SD adapters and jewel cases.

Specification

Performance:	Speed Class: C10, U3, V30, A2 Random 4KB read performance: 3,200 IOPS (Raspberry Pi 4, DDR50) 5,000 IOPS (Raspberry Pi 5, SDR104) Random 4KB write performance: 1,200 IOPS (Raspberry Pi 4, DDR50) 2,000 IOPS (Raspberry Pi 5, SDR104) A2 microSD cards with support for DDR50 and SDR104 bus speeds and command queueing (CQ) extension
Capacity:	32GB, 64GB, or 128GB
Form factor/compatibility:	microSDHC / microSDXC, compatible with microSDHC- and microSDXC-supporting host devices
SD specification:	SD6.1
Operating voltage:	2.7–3.6V
Operating temperature:	-25°C to 85°C
Storage temperature:	-40°C to 85°C
Dimensions:	15 × 11 × 1 mm
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com
Production lifetime:	Raspberry Pi SD Cards will remain in production until at least January 2028

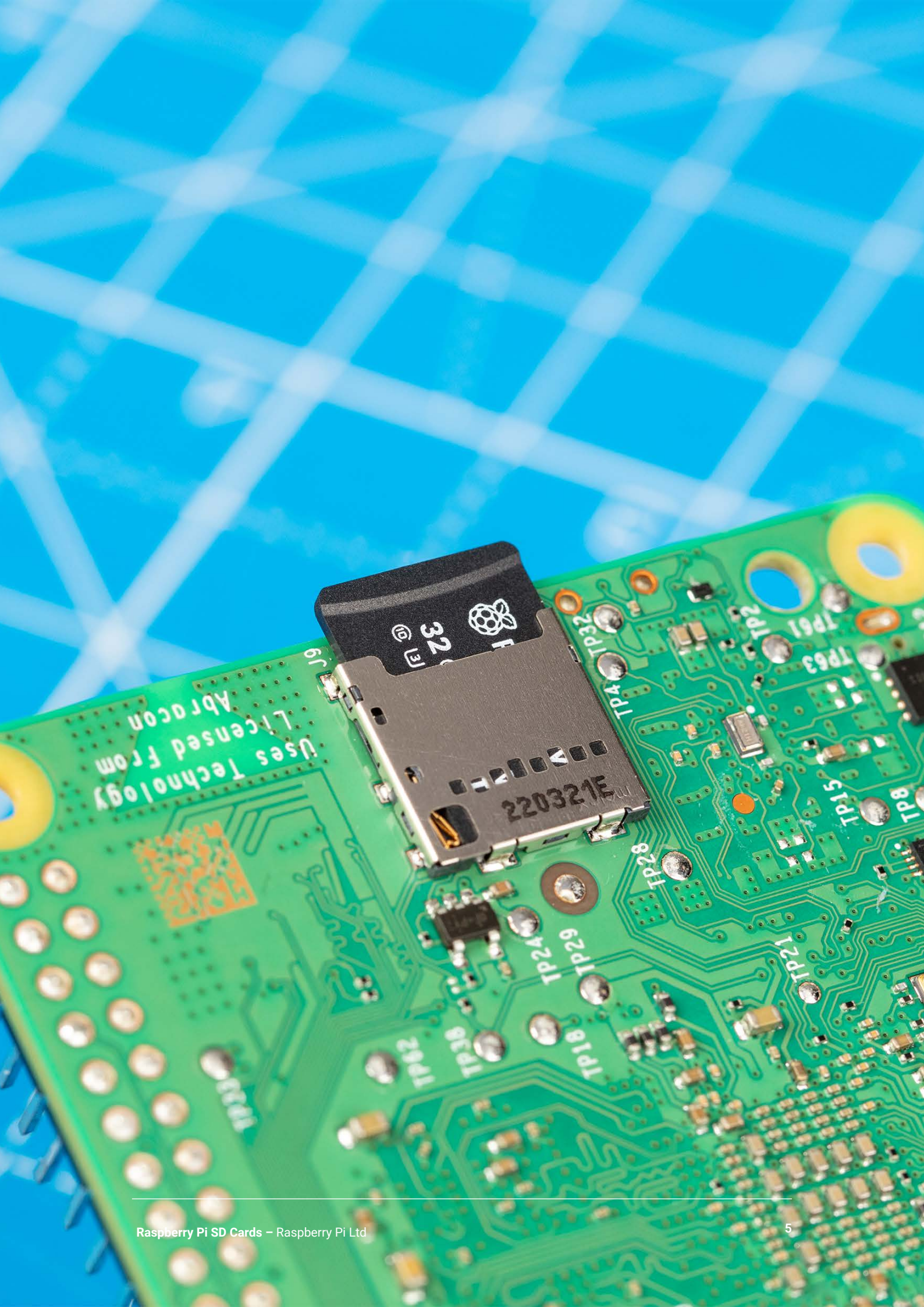
WARNINGS

- 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 SD Cards 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 SD Cards 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.





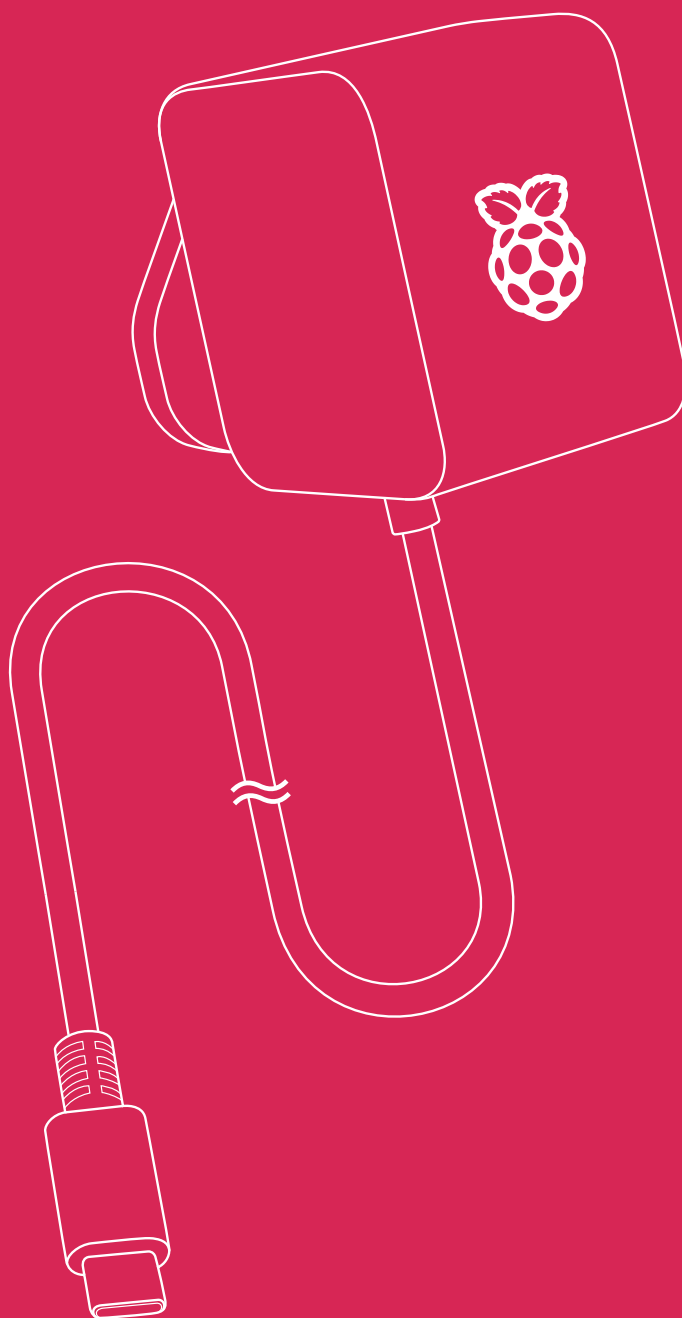
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Raspberry Pi

27W USB-C Power Supply

Published October 2023



Overview



The Raspberry Pi 27W USB-C Power Supply is an ideal power supply for Raspberry Pi 5, especially for users who wish to drive high-power peripherals, such as hard drives and SSDs, from Raspberry Pi 5's four Type A USB ports.

Delivering a maximum of 5.1V, 5A, it supports USB PD (Power Delivery), so Raspberry Pi 5 can communicate with it and select the most appropriate power profile. This enables Raspberry Pi 5 to increase the USB current limit automatically from the default 600mA to 1.6A, in order to provide extra power for devices connected to the four Type A USB ports.

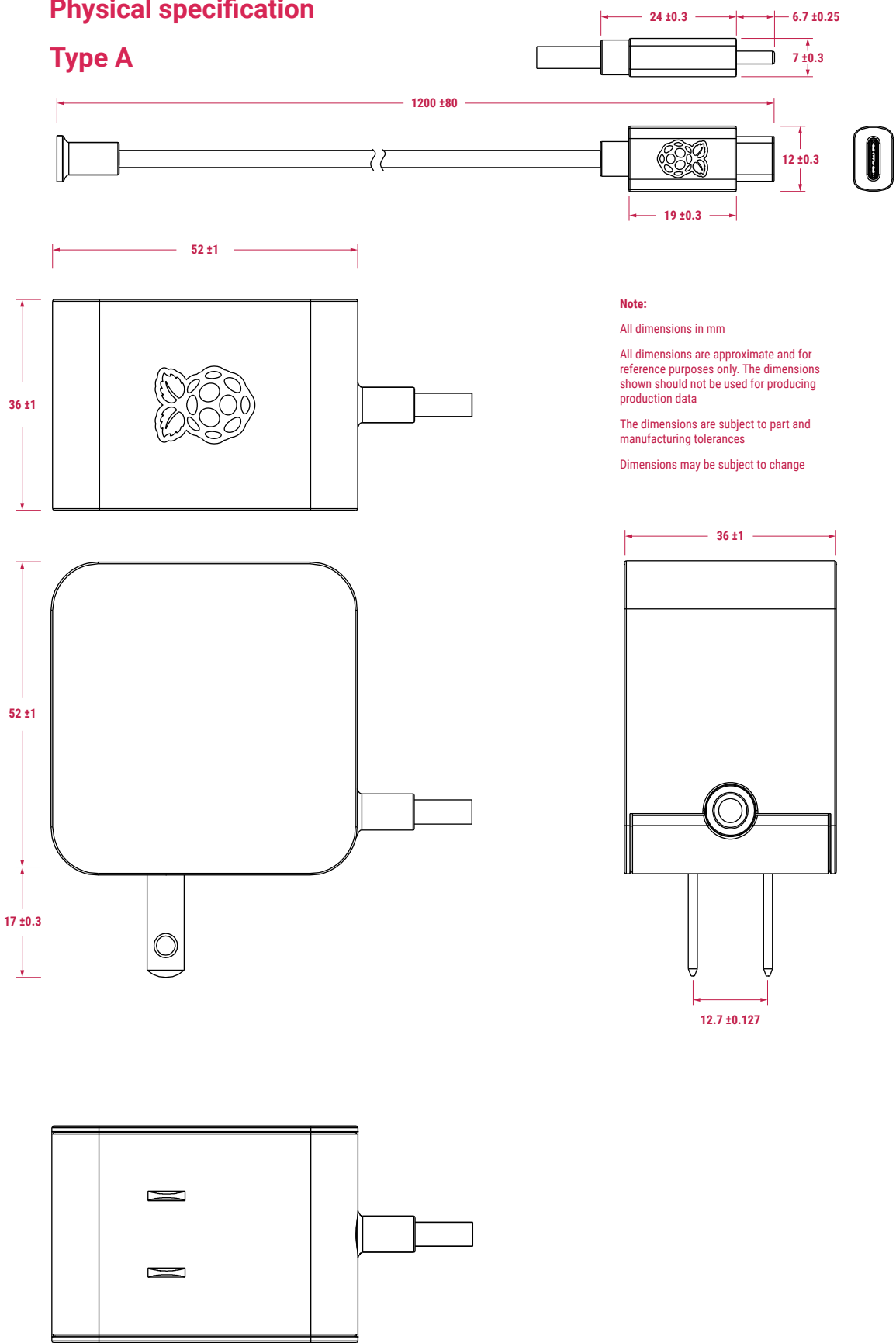
Additional built-in power profiles mean the Raspberry Pi 27W USB-C Power Supply is also an excellent option for powering third-party PD-compatible products. The available profiles are 9V, 3A; 12V, 2.25A; and 15V, 1.8A, all limited to a maximum of 27W.

Specification

Input:	100 – 240Vac
Output:	5.1V, 5A; 9V, 3A; 12V, 2.25A; 15V, 1.8A (Power Delivery)
Connector:	USB-C
Cable:	1.2m 17AWG, white or black
Plug types:	• US, Canada (type A) • Europe (type C) • India (type D) • UK (type G) • Australia, New Zealand (type I)
Production lifetime:	The Raspberry Pi 27W USB-C Power Supply will remain in production until at least January 2035
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com

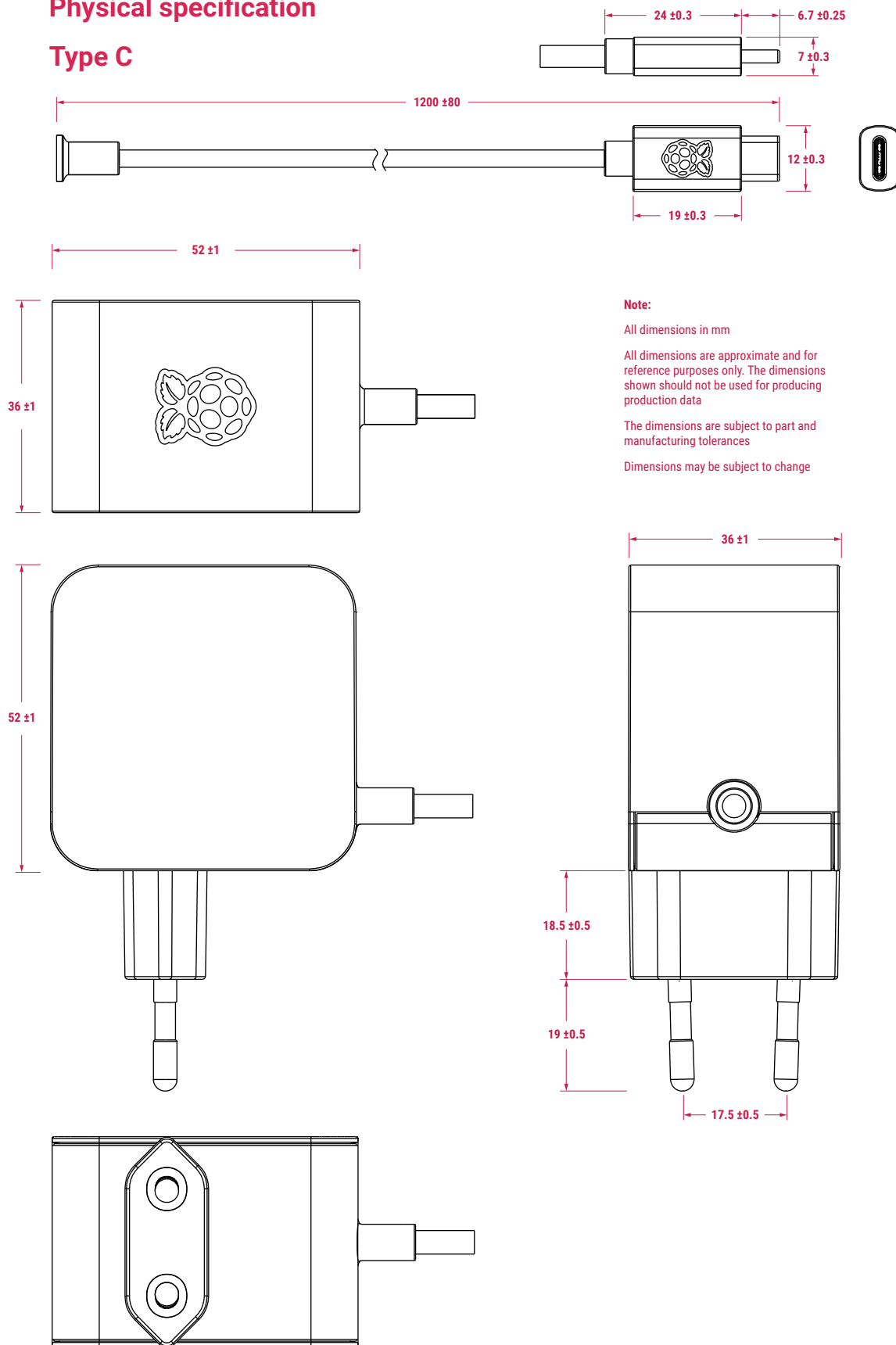
Physical specification

Type A



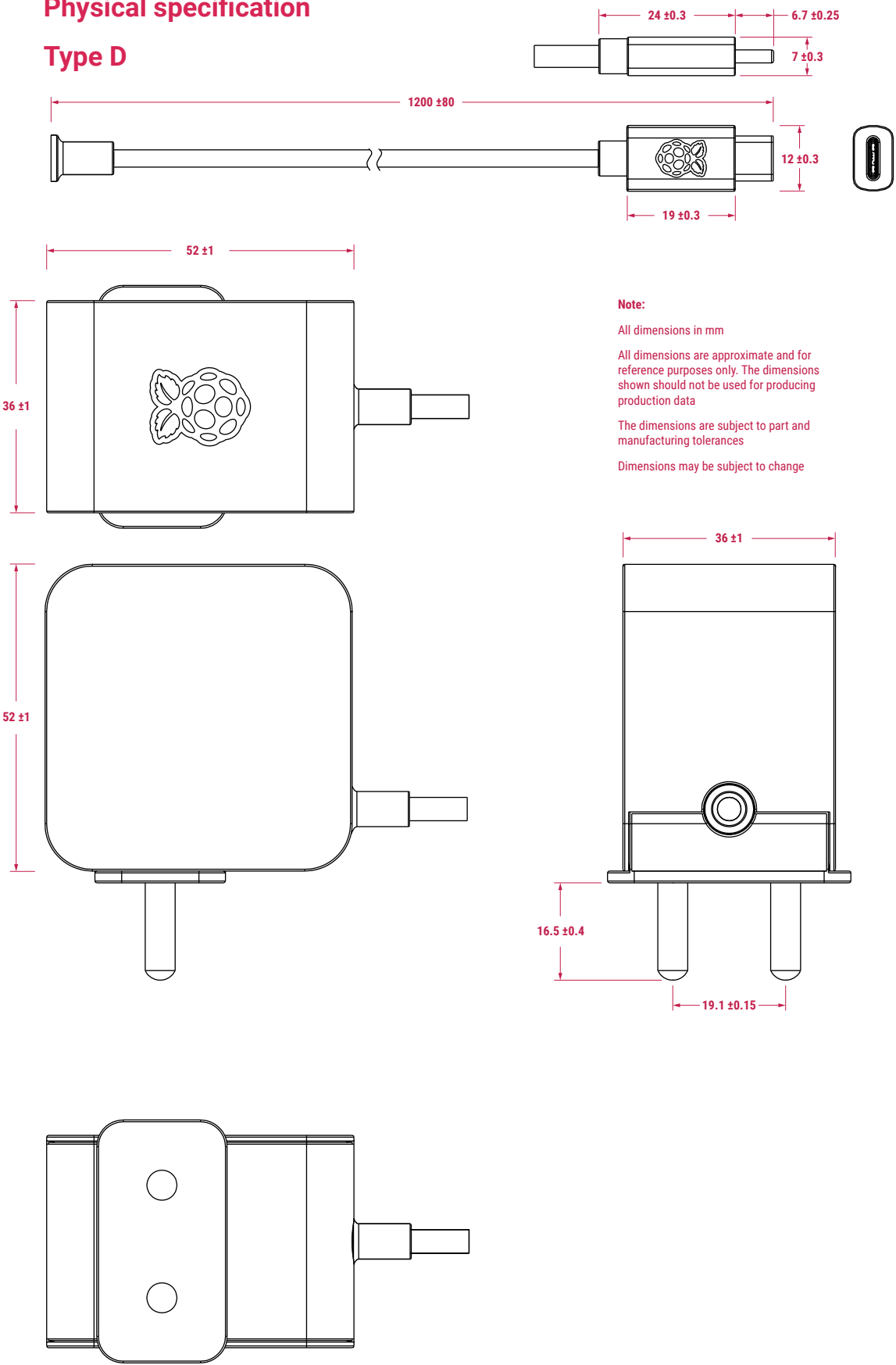
Physical specification

Type C



Physical specification

Type D



Note:

All dimensions in mm

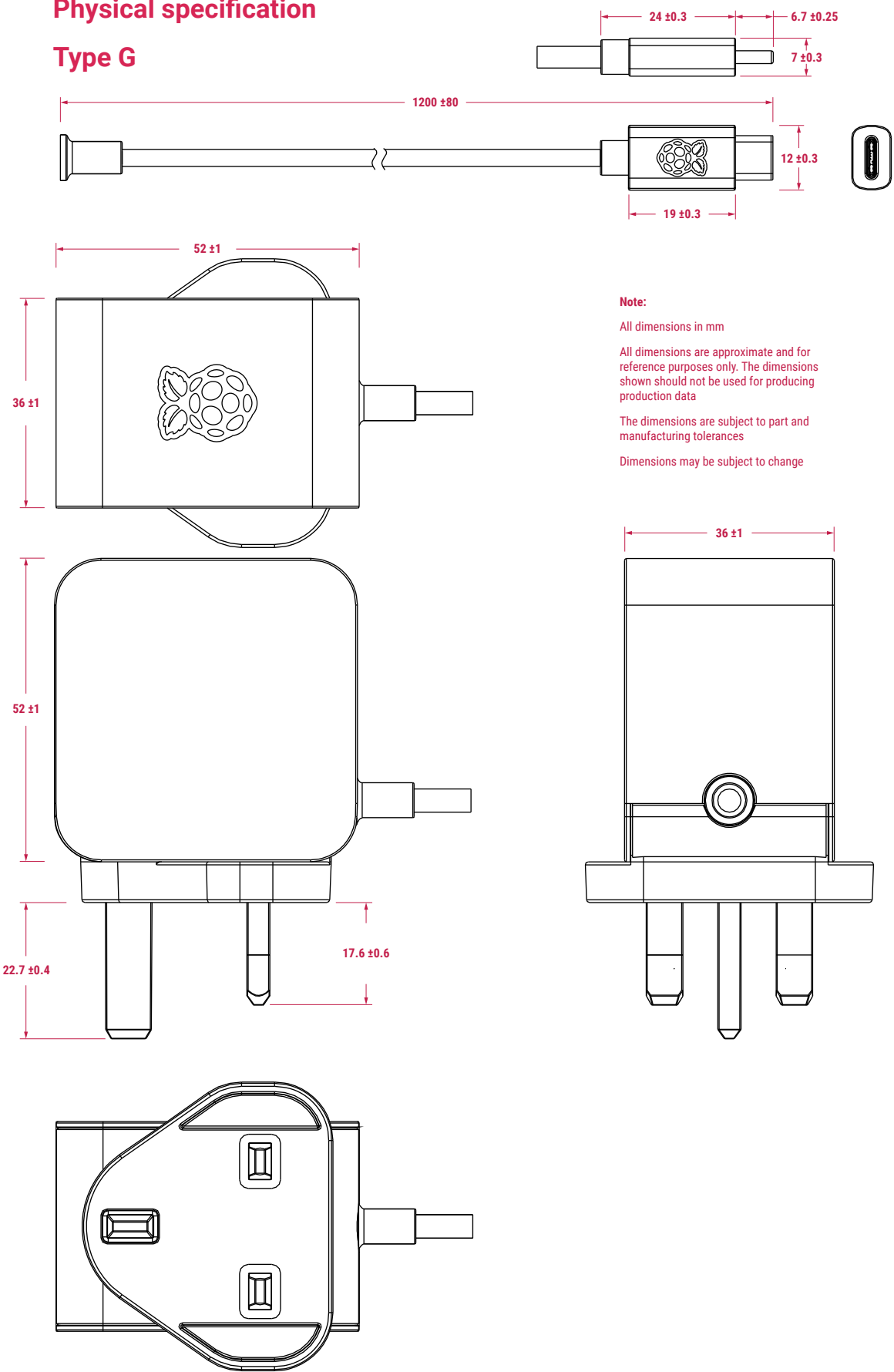
All dimensions are approximate and for reference purposes only. The dimensions shown should not be used for producing production data

The dimensions are subject to part and manufacturing tolerances

Dimensions may be subject to change

Physical specification

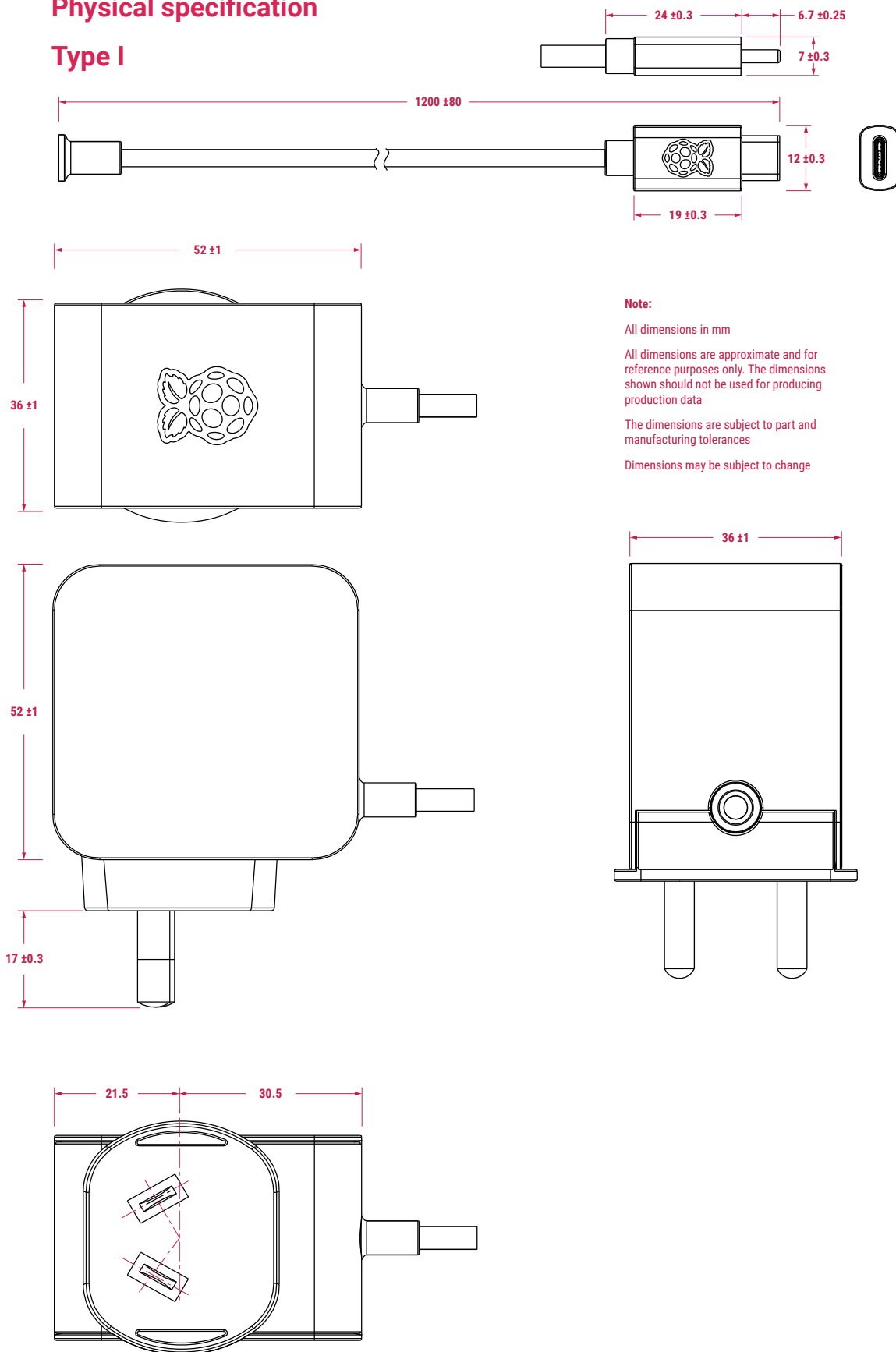
Type G



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
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Physical specification

Type I



Note:

All dimensions in mm

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WARNINGS

- This product should be operated in a well ventilated environment.
- The connection of incompatible devices to this power supply may affect compliance, result in damage to the unit, and invalidate the warranty.

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 while in operation.
- Do not expose to heat from any source; this power supply is designed for reliable operation at normal ambient temperatures.
- Do not attempt to open or remove the power supply case.



 **Raspberry Pi**
AC ADAPTOR
UK
VI
R12
A1

MODEL: 27W USB-C Power Supply UK
INPUT: 100-240V ~ 50/60Hz 0.8A
OUTPUT: 5.0V 2.5A 12.5W, 9.0V 3.0A 27.0W, 15.0V 1.8A 27.0W





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Raspberry Pi Keyboard & Mouse, product detail

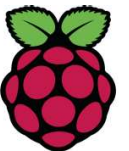
Keyboard specification:

- 79-key keyboard (78-key US keyboard)
- 3 USB 2.0 type-A ports for powering other peripherals
- Automatic keyboard language detection
- USB type-A to micro USB type-B cable for connection
- Compatible with all Raspberry Pi products
- Ergonomic design for comfortable use
- Available in either Red/White or Black/Grey

Mouse specification:

- Three-button optical mouse
- Scroll wheel
- USB type-A connector
- Compatible with all Raspberry Pi products
- Ergonomic design for comfortable use
- Available in either Red/White or Black/Grey

Product brief will be available by 1 March



Raspberry Pi

Raspberry Pi Keyboard print layouts



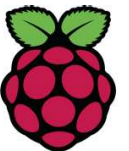
US →



FR →



IT →



Raspberry Pi



Raspberry Pi Monitor

Published December 2024



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Overview



The Raspberry Pi Monitor is a 15.6-inch full HD computer display. User-friendly, versatile, compact and affordable, it is the perfect desktop display companion for both Raspberry Pi computers and other devices.

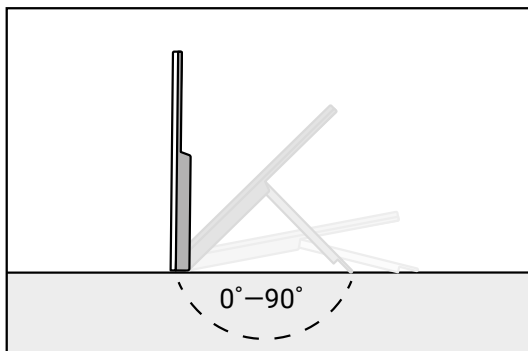
With built-in audio via two front-facing speakers, and VESA and screw mounting options as well as an integrated angle-adjustable stand, the Raspberry Pi Monitor is ideal for desktop use or for integration into projects and systems. It can be powered directly from a Raspberry Pi, or by a separate power supply.

Specification

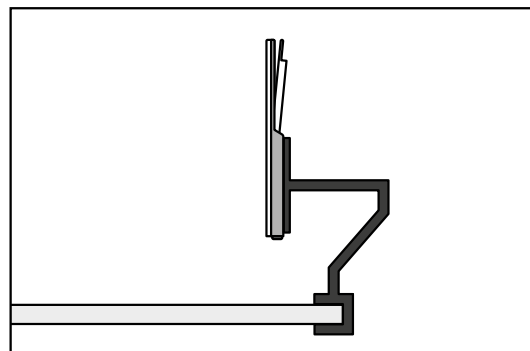
Features:	15.6-inch full HD 1080p IPS display Integrated angle-adjustable stand Built-in audio via two front-facing speakers Audio out via 3.5mm jack Full-size HDMI input VESA and screw mounting options Volume and brightness control buttons USB-C power cable
Display:	Screen size: 15.6 inches, 16:9 ratio Panel type: IPS LCD with anti-glare coating Display resolution: 1920 × 1080 Colour depth: 16.2M Brightness (typical): 250 nits
Power:	1.5A at 5V Can be powered directly from a Raspberry Pi USB port (max 60% brightness, 50% volume) or by a separate power supply (max 100% brightness, 100% volume)
Connectivity:	Standard HDMI port (1.4 compliant) 3.5mm stereo headphone jack USB-C (power in)
Audio:	2 × 1.2W integrated speakers Support for 44.1kHz, 48kHz, and 96kHz sample rates
Production lifetime:	The Raspberry Pi Monitor will remain in production until at least January 2034
Compliance:	For a full list of local and regional product approvals, please visit pip.raspberrypi.com
List price:	\$100

Quick start instructions

1. Remove the monitor and cable from the box
2. Please read the product information leaflet before using the monitor
3. Remove the monitor from its sleeve
4. Unclip the stand from the back of the monitor, and rotate it open to reveal the connectors
5. Plug in the power and HDMI cables
6. Place the monitor on a flat, stable surface, or mount it using the VESA or screw mount attachment points
Suitable spacers (not supplied) must be used between the monitor and the VESA bracket; make sure you use spacers that are wide enough to allow sufficient space for the power and HDMI cables
7. Turn on the computer or power adapter; the monitor will power on



Using the monitor with the integrated angle-adjustable stan



Using the monitor with a VESA mount

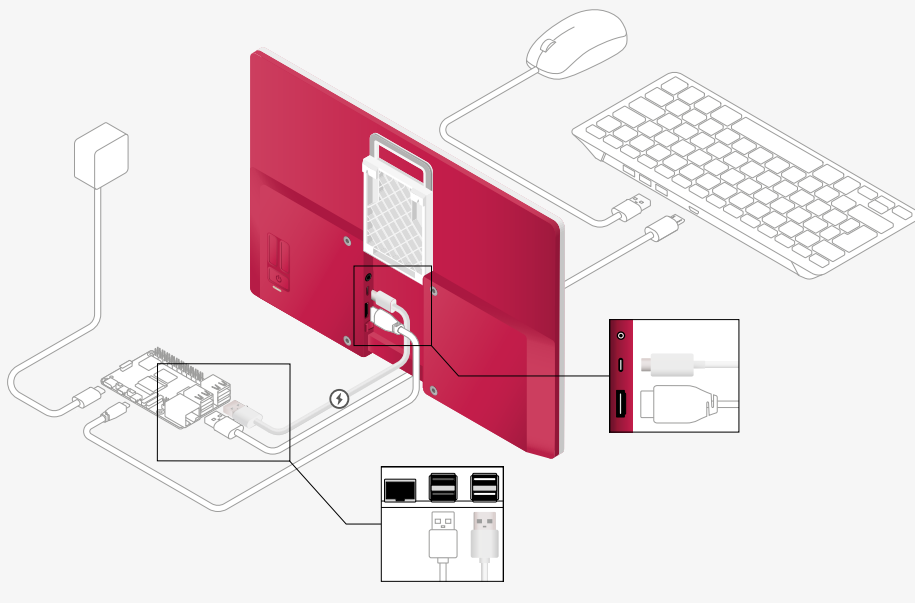
i TIPS

- Adjust volume and brightness with the control buttons on the back of the monitor
- Turn the monitor on and off with the power button on the back
- Find your preferred viewing angle by adjusting the integrated stand
- Tidy the cables using the notch at the base of the monitor

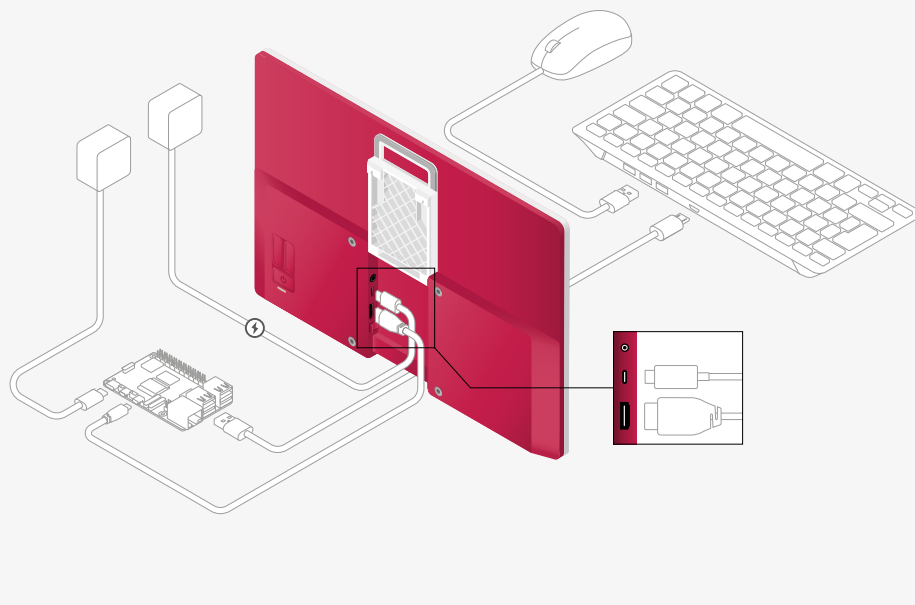
Connecting your Raspberry Pi Monitor

Make sure you use the right power supply for your Raspberry Pi.
Check which you need: rptl.io/powersupplies

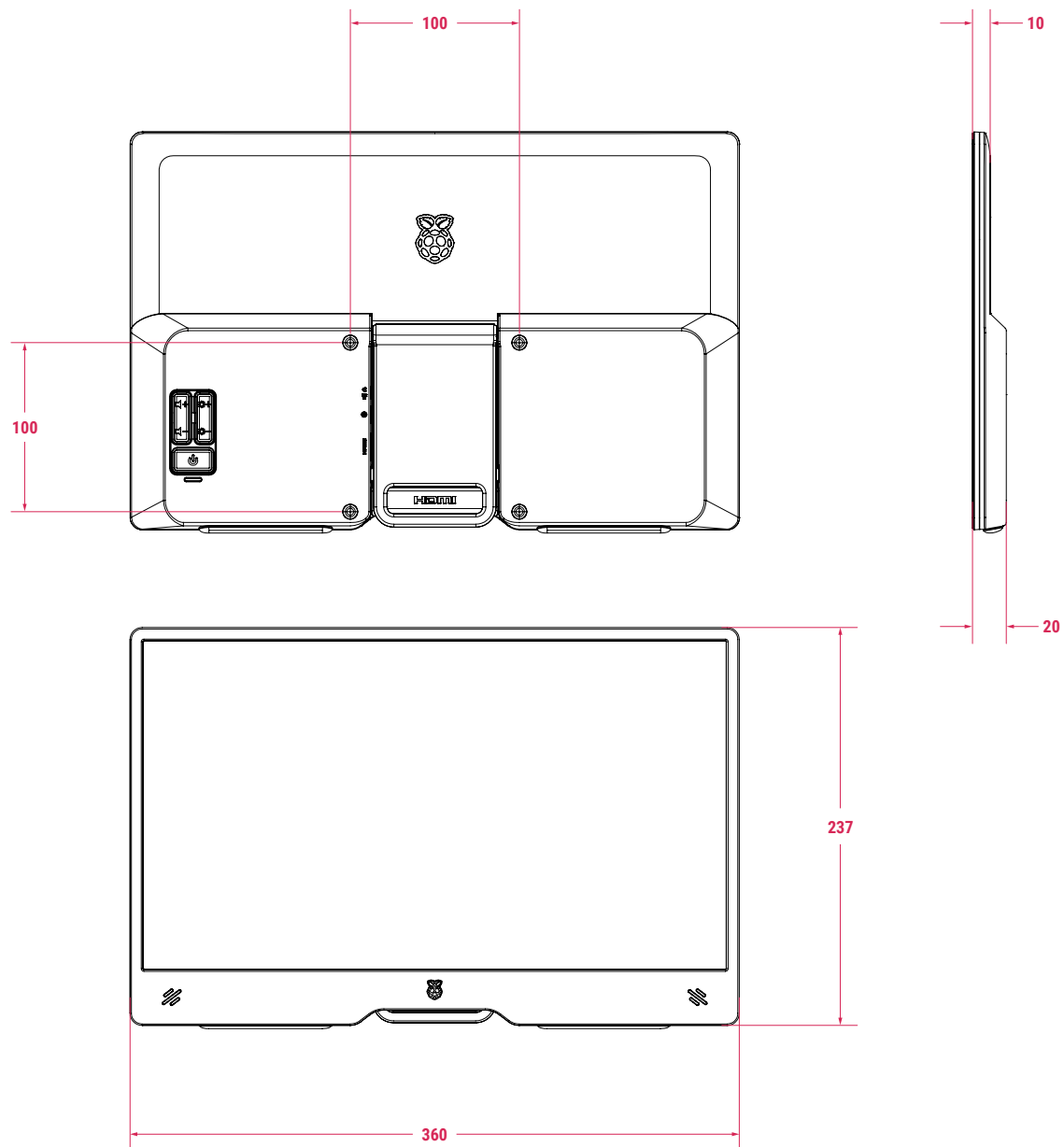
Powered from Raspberry Pi
Maximum 60% brightness | 50% volume



Powered by separate power supply
Maximum 100% brightness | 100% volume



Physical specification



Note:

All dimensions in mm

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production data

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Dimensions may be subject to change

WARNINGS

- The monitor is intended for indoor desktop use only
- Never expose the monitor to rain or moisture; never spill liquids on the monitor
- Avoid dust, humidity, and temperature extremes
- Do not place objects on top of the monitor
- Do not subject the monitor to severe vibration or high impact
- Do not place the monitor on an unstable surface
- Do not knock or drop the monitor during operation or transportation; this is likely to cause damage to the product
- When mounting the monitor, it should be securely fastened so it does not fall
- Do not exert excessive force on the screen and surround; do not press the monitor screen with fingers or put objects on it
- Do not twist or distort the case in any way
- Do not transport the monitor in ways in which might exert force on the monitor without adequate protection
- Never push any object into the slots on the monitor case
- You may find slightly uneven brightness on the screen in different conditions
- Do not remove the cover or attempt to service this unit yourself; an authorised technician should perform servicing of any nature
- This product is in compliance with the relevant regulations and directives imposed by the countries into which it is sold. The compliance of the product has been established through testing using appropriate industry standards and quality management procedures.

The product is considered a Class B unintentional radiator and complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

SAFETY INSTRUCTIONS

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

- Do not expose to water or moisture
- Do not expose to heat from any external source; the Raspberry Pi Monitor is designed for reliable operation at normal ambient temperatures
- Take care whilst handling to avoid mechanical or electrical damage to the product
- Always turn off the monitor and unplug cables before cleaning
- Do not spray liquids directly onto any parts of the product or use strong chemical products to clean it
- A soft cloth can be used to wipe the screen and other parts of the monitor





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