Raspberry Pi Touch Display 2 – 5" Portrait

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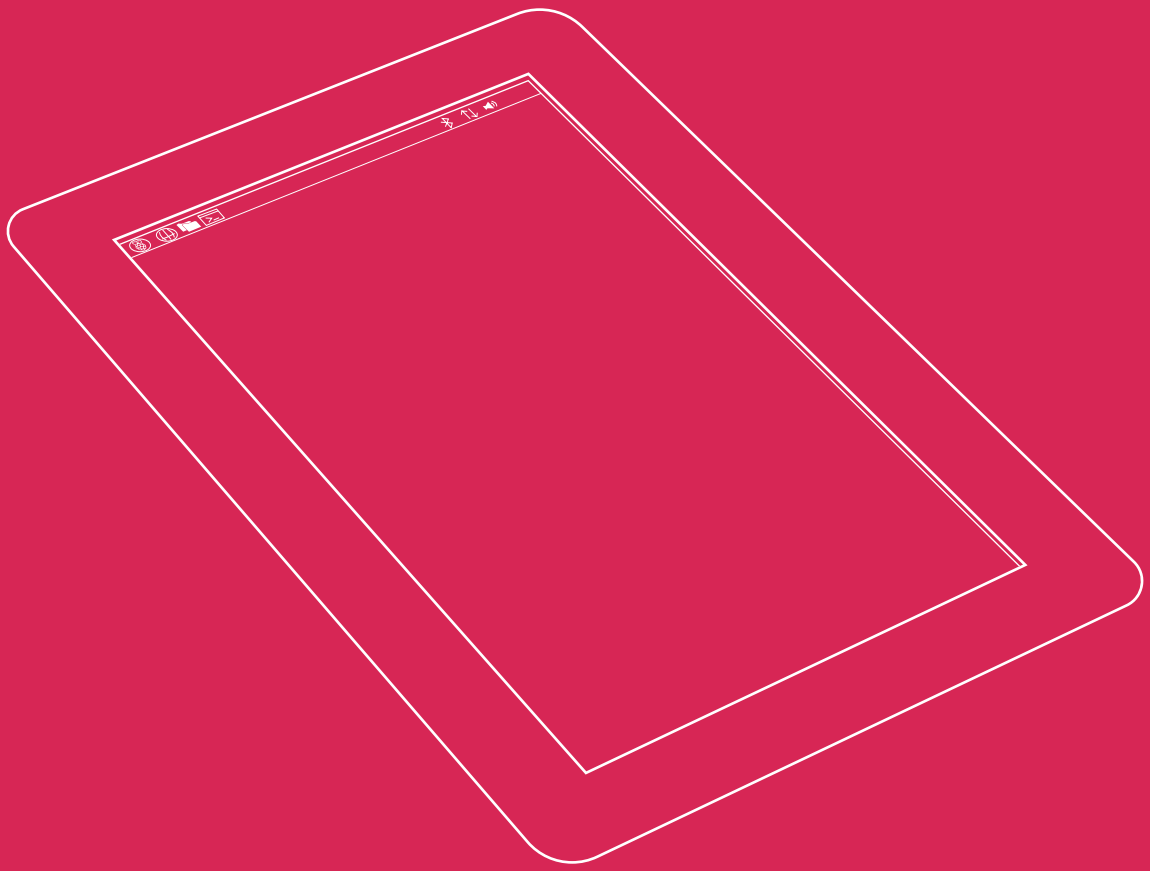


Overview

Raspberry Pi Touch Display 2 is a multi-touch portrait panel for Raspberry Pi. Ideal for interactive projects such as tablets, entertainment systems, and information dashboards, it is available in 5-inch, 7-inch, and 10-inch variants to suit a wide range of applications and end-device form factors.

On the 5-inch display, Raspberry Pi OS provides touchscreen drivers with support for five-finger touch and an on-screen keyboard, giving you full functionality without the need to connect a keyboard or mouse.

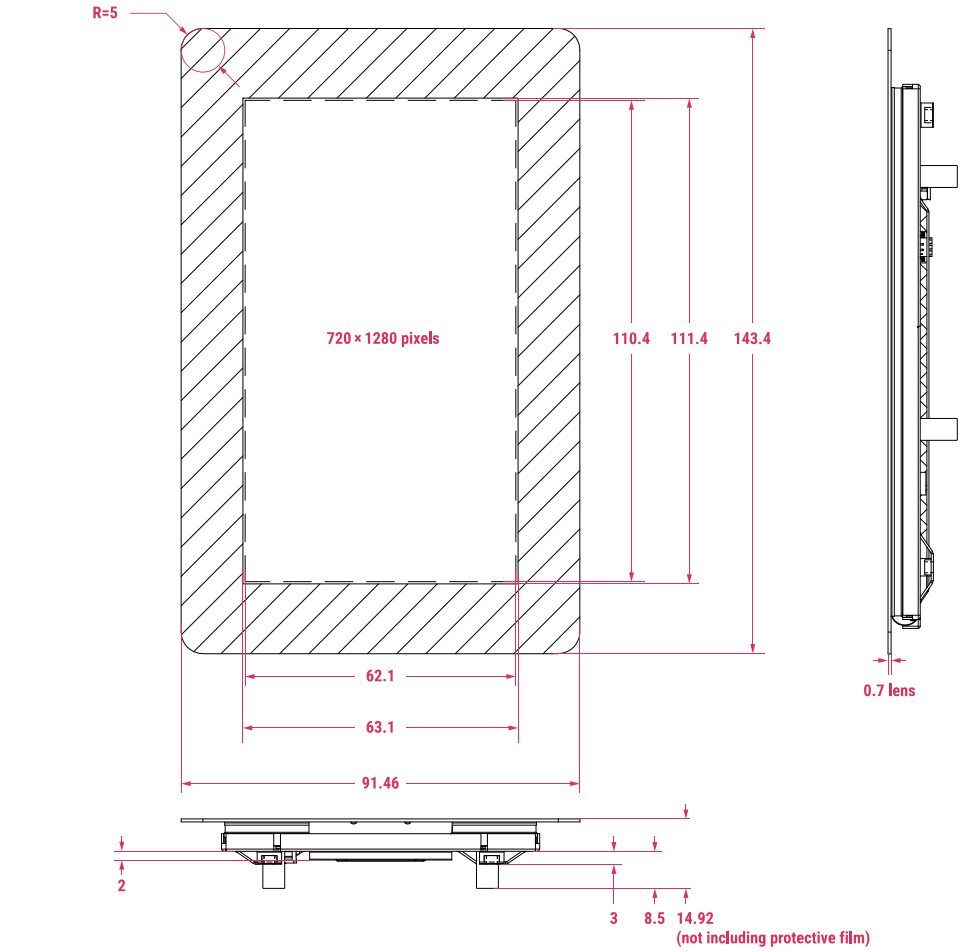
Only two connections are required to connect the display to your Raspberry Pi: a power cable for the GPIO header and a ribbon cable for the DSI port. The 5-inch variant is supplied with a power cable, standard-standard and standard-mini ribbon cables, and eight M2.5 mounting screws.

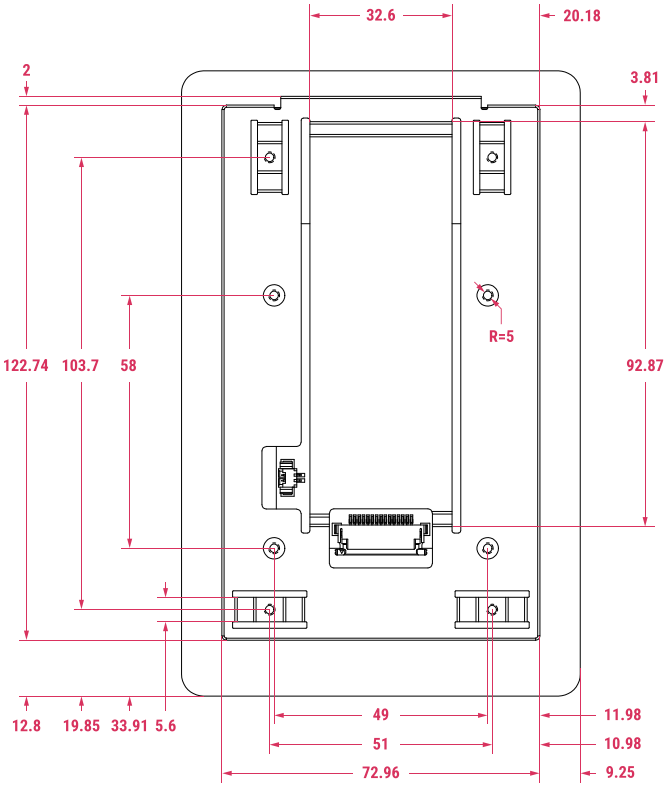
The 5-inch Raspberry Pi Touch Display 2 is compatible with all Raspberry Pi computers from Raspberry Pi 1 Model B+ onwards, except for the Raspberry Pi Zero series.

Specification

Display diagonal	5.0 inches
Unit size	91.5 mm × 143.4 mm
Active area	62.1 mm × 110.4 mm
Viewing angle	80 degrees
Display format	24-bit RGB 720 × 1280 pixels Native portrait
Display type	True multi-touch capacitive touch panel, supporting five-finger touch Thin-film transistor liquid-crystal display (TFT LCD) Normally black Transmissive
Touch response time	Typical: 35 ms Max: 40 ms
Surface treatment	Anti-glare
Colour configuration	RGB-stripe
Backlight brightness	500 cd/m²
Operating temperature	−20°C to +70°C
Production lifetime	Raspberry Pi Touch Display 2 will remain in production until at least January 2030
Compliance	For a full list of local and regional product approvals, please visit pip.raspberrypi.com
List price	**$40**

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

Safety warnings

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

- Before connecting the device, shut down your Raspberry Pi computer and disconnect it from external power.
- If the cable becomes detached, pull forward the locking mechanism on the connector, insert the ribbon cable with the metal contacts facing towards you, then push the locking mechanism back into place.
- This device should be operated in a dry environment at −20 to +70°C.
- Do not expose it to water or moisture, or place it on a conductive surface whilst in operation.
- Do not expose it to excessive heat from any source.
- Care should be taken not to fold or strain the ribbon cable.
- Care should be taken when screwing in parts. A cross-thread can cause irreparable damage and void the warranty.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Store in a cool, dry location.
- Avoid rapid changes of temperature, which can cause moisture to build up in the device.
- The display surface is fragile and has the potential to shatter.


Raspberry Pi 5
HAT+ GPIO INTERFACE
MEMORY
8G
4G
2G
1G
HDMI
UART
ETHERNET
Raspberry Pi Touch Display Cable
Standard – Mini

Raspberry Pi

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