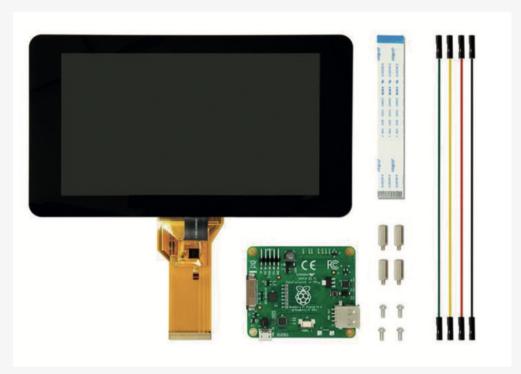# Raspberry Pi Touch Display

Edit this on GitHub

The Raspberry Pi Touch Display is an LCD display that connects to the Raspberry Pi using the DSI connector. While the panel is connected, you can use both it and the the normal HDMI display output at the same time.

The Raspberry Pi 7-inch Touch Display

The Touch Display functions with all models of Raspberry Pi. However, the earliest Raspberry Pi models lack appropriate mounting holes, requiring additional mounting hardware to fit the stand-offs on the display PCB.

The display has the following key features:

- 800×480 RGB LCD display

- 24-bit colour

- Industrial quality: 140-degree viewing angle horizontal, 130-degree viewing angle vertical

- 10-point multi-touch touchscreen

- PWM backlight control and power control over I2C interface

- Metal-framed back with mounting points for Raspberry Pi display conversion board and Raspberry Pi

- Backlight lifetime: 20000 hours

- Operating temperature: -20 to +70 degrees centigrade

- Storage temperature: -30 to +80 degrees centigrade

- Contrast ratio: 500

- Average brightness: 250 cd/m^2

- Viewing angle (degrees):

    - Top - 50

    - Bottom - 70

- Left - 70
- Right - 70

- Power requirements: 200mA at 5V typical, at maximum brightness.

- Outer dimensions: 192.96 × 110.76mm

- Viewable area: 154.08 × 85.92mm