

# 7.5" 800×480 ePaper display HAT for Raspberry Pi, three-coloured (red, black, white)

also compatible with other boards such as Arduino via SPI interface.

**Product number** 3C-RPI-EINK75

**Weight** 0.15kg



## Product description

### Overview

This is an E-Ink display HAT for Raspberry Pi, 7.5inch, 800x480 resolution, with embedded controller, communicating via SPI interface, supports red, black, and white three-color display.

Due to the advantages like ultra low power consumption, wide viewing angle, clear display without electricity, it is an ideal choice for applications such as shelf label, industrial instrument, and so on.

### Features

- No backlight, keeps displaying last content for a long time even when power down
- Ultra low power consumption, basically power is only required for refreshing
- Compatible with Raspberry Pi 2B/3B/Zero/Zero W
- SPI interface, for connecting with other controller boards like Raspberry/Arduino/Nucleo, etc.
- Comes with development resources and manual (examples for Raspberry Pi/Arduino/STM32)

### Specifications

- Operating voltage: 3.3V
- Interface: SPI
- Outline dimension: 170.2mm × 111.2mm
- Display size: 163.2mm × 97.92mm
- Dot pitch: 0.205 × 0.204
- Resolution: 800 × 480
- Display colour: red, black, white
- Grey level: 2
- Full refresh time: 16s
- Refresh power: 48mW(typ.)
- Standby power: <0.017mW
- Viewing angle: >170°

### Interface

<b>SYMBOL</b>	<b>DESCRIPTION</b>
VCC	3.3V
GND	Ground
DIN PIN	SPI MOSI pin
CLK	SPI SCK pin
CS	SPI chip selection, low active
DC	Data/Command selection (high for data, low for command)
RST	External reset, low active
BUSY	Busy status output, low active

### Scope of delivery

- 7.5inch e-Paper (B)
- ePaper Driver HAT
- RPi screws pack (2 pcs.)

### Documentation / Downloads

- [https://www.waveshare.com/wiki/7.5inch\\_e-Paper\\_HAT\\_\(B\)](https://www.waveshare.com/wiki/7.5inch_e-Paper_HAT_(B))

## Product properties

**Zolltarifnummer** 84733080

**Country of Origin** China

**Brand** Waveshare

**Product ID** 3C-RPI-EINK75

**Manufacturer ID** 7.5inch e-Paper HAT (B)

**Compatibility** Raspberry Pi 4B, Raspberry Pi 3B+, Raspberry Pi Zero, Raspberry Pi Zero W, Raspberry Pi 3B, Raspberry Pi 5, Raspberry Pi 2B

**EAN** 4060137112928

**Gross Weight (kg)** 0.15

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