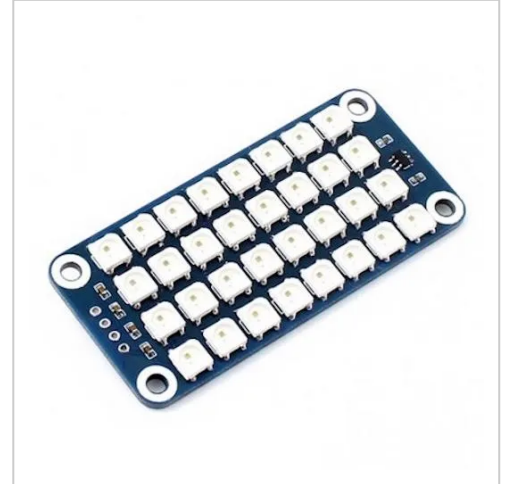


# 4x8 RGB LED Matrix pHAT for Raspberry Pi

This LED matrix pHAT is simply plugged into the GPIO connection of the Raspberry Pi. The 32 RGB LEDs can then be controlled with just one signal pin. Thanks to its small size, this pHAT is perfect for the Ra

**Product number** RPI-LEDPHAT

**Weight** 0.014kg



## Product description

### Overview

This LED matrix pHAT is simply plugged into the GPIO connection of the Raspberry Pi. The 32 RGB LEDs can then be controlled with just one signal pin.

Thanks to its small size, this pHAT is perfect for the Raspberry Pi Zero / Zero W. However, the board can also be used with other Raspberry Pi models (from Gen. B+).

### Features

- Compatible with all Raspberry Pi models (from Gen. B+)
- 4x8 RGB LEDs of type WS2812B
- Control pin can be configured via jumper
- Development resources for an easy start are available in the manufacturer's wiki (examples in Python and a web controller)

### Specifications

- Operating voltage: 5V
- Brightness: Adjustable in 256 steps
- Colour depth: 24-bit true colour (8-bit for R/G/B respectively, total  $256 \times 256 \times 256 = 16777216$  colours)
- Data rate: 800Kbps(typ)
- Dimensions: 65 × 30.2mm
- Board hole diameter: 3.0mm

### Scope of delivery

- RGB pHat
- 2x spacers with screws

Further information can be found in the manufacturer's wiki at : [http://www.waveshare.com/wiki/RGB\\_LED\\_HAT](http://www.waveshare.com/wiki/RGB_LED_HAT)

## Product properties

<b>Gross Weight (kg)</b>	0.014
<b>Zolltarifnummer</b>	84733020
<b>Country of Origin</b>	China
<b>Brand</b>	Waveshare
<b>Product ID</b>	RPI-LEDPHAT
<b>Manufacturer ID</b>	12725
<b>Compatibility</b>	Raspberry Pi 4B, Raspberry Pi 3B+, Raspberry Pi Zero W, Raspberry Pi 3B, Raspberry Pi 3A+, Raspberry Pi Zero WH, Raspberry Pi 5
<b>EAN</b>	4060137032721

## More images

