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Unicorn HAT HD by Pimoroni

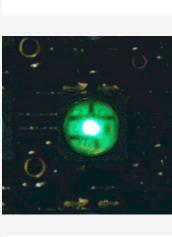
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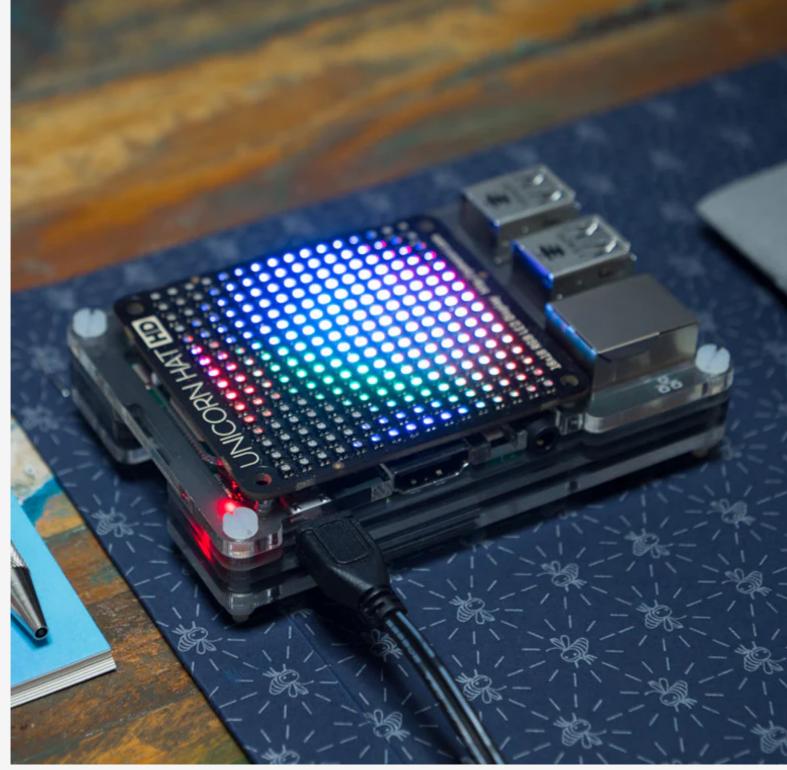












★★★★ 41 reviews

We've stepped up our LED game! Unicorn HAT HD crams 256 RGB LEDs, in a 16x16 matrix, onto a single HAT. Highdefinition rainbow goodness!

In stock – and ready to ship!

Unicorn HAT HD PIM273

Essentials Other things that could come in handy!

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hat's, and i can quite confidently say this is my

favourite! The high level of detail from such a

**** "I have ordered just about all of the Pimoroni

tiny board, is amazing! I particularly like the demo.py script truly showing it's full glory!" by Alex

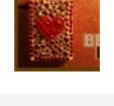
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Woo the geek in your life with this heartbeat effect!

LEDs, in a 16x16 matrix, onto a single HAT. High-definition rainbow goodness! You can still use it for all of the same things as the regular Unicorn HAT, but with 4 times as many

We've stepped up our LED game! Unicorn HAT HD crams 256 RGB

pixels it makes much more complex animations possible, including scrolling text, and even low resolution videos. The bundled ninja diffuser makes the pixels look extra-shiny by providing some subtle diffusion,

blurring the lines between each pixel. Simply use four of the nuts to space the diffuser slightly away from the HAT, and the other four to secure it. The MagPi said that Unicorn HAT HAD had a "real wow factor" and that the "performance is

Features

- 256 RGB LED pixels in a 16x16 matrix
- Pixels driven by ARM STM32F and three STP16CPC26 LED drivers
- Bundled ninja diffuser, plus nuts and bolts
- Unicorn HAT HD pinout • Compatible with all 40-pin header Raspberry Pi models

excellent" in their five star review.

- Python library
- Comes fully assembled
- Schematic

to it and it'll take care of the rest. It acts as the man-in-the-middle between your Pi and the three STP16CPC26 LED drivers that actually drive the LEDs.

The ARM chip on Unicorn HAT HD does all of the heavy lifting, meaning that you can just bung data

Software

Our Python library will have your Unicorn HAT HD pooping out high-definition rainbows in a jiffy. There's a stack of examples too, to show you how to create slick animations, simulate the Game of Life, a forest fire or a flickering candle, and even scroll text!

Notes

- Photo-sensitivity warning: flashing, strobing, and patterns of lights may cause epileptic seizures. Always take care and immediately stop using if you feel unwell (dizziness, nausea, affected vision, eye twitching, disorientation). • Power: Unicorn HAT HD requires a >2A microUSB power supply for your Pi. We recommend
- the official Raspberry Pi power supply.

41 customer reviews

a month ago

Arrived promptly and well packaged. The tutorials make it very easy to set up, and once I got going I had a great time programming it



a year ago

hat

by Gavin about <u>Unicorn</u> <u>HAT HD</u> via <u>REVIEWS.io</u>



by Anonymous about

REVIEWS.io

Unicorn HAT HD via

works well, easy to install -

sits nicely on the cyberdeck



2 years ago



by Anonymous about Unicorn HAT HD via REVIEWS.io

A brilliant display with lots

6 months ago

of potential. It'll jazz up any project that changing and fluid colours are used to display changing conditions

by Reza about Unicorn HAT HD via REVIEWS.io

2 years ago

awesome!! It's colorful

by SHIGERU about

REVIEWS.io

Brilliant bit of kit, Worked

Excellent service too.

straight away. Very pleased.

by Jim about Unicorn

HAT HD via REVIEWS.io

Unicorn HAT HD via

display and swiftly.

a year ago

it wont, I ran what I needed

a year ago

to run to get it work. The program through python runs with no errors. but the



HAT HD via REVIEWS.io

by John about Unicorn

2 years ago Brighter than expected.

Good product



2 years ago

by Jax about Unicorn

great opportunities for coding projects! Has some fantastic demo scripts too. Had an issue with my original order where some of the LED's started malfunctioning - however, this was sorted out quickly

Excellent Hat with some



by Louis about Unicorn HAT HD via REVIEWS.io

*** 3 years ago

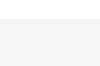
Bright vibrant LED display with an easy to use Python

library! However python can be really slow at some times and would be great if we could get a C library for by Louis about <u>Unicorn</u>

HAT HD via REVIEWS.io

3 years ago

by Ben about <u>Unicorn</u> HAT HD via REVIEWS.io



Show more reviews...

3 years ago Love it. Works great. I

played around with the provide python examples

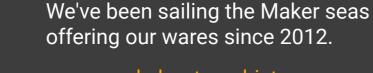
and then wrote my own code in Node using the very small node-unicornhathd by Josh about <u>Unicorn</u> HAT HD via REVIEWS.io



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