- # Yellow/Black/White – Inky pHAT (ePaper/eInk/EPD) PIM367

Inky pHAT (ePaper/eInk/EPD)

A low-energy, high-falutin, electronic paper (ePaper / eInk / EPD) display for your Pi, in three different colour schemes: red/black/white, yellow/black/white, and black/white!

NOW IN NEW COLOUR SCHEMES!

Inky pHAT's beautiful 212x104 pixel, display is ideal for displaying simple graphics and crisply-rendered text and, because it's like paper, it's readable in bright sunlight.

Use Inky pHAT as a cute little clock, display tweets on it, the weather, news headlines, sports scores, and more. It's also ideal for graphing data from remote sensors, CPU load or temperature, or stock prices.

Note that Inky pHAT uses a new display now (as of early December 2017), and requires updated software. The new software automagically detects the display version, so should work interchangeably with the old and new displays.

Also note that a change to the Python library to support the new colours of display means that you'll need to put `inkyphat.set_colour("red")` just below the `import inkyphat` at the top of your code. Replace `"red"` with `"yellow"` or `"black"` depending on the colour of your Inky pHAT.

Features

- 2.13" EPD display (212x104 pixels)
- Inky pHAT pinout
- Compatible with Raspberry Pi 3B+, 3, 2, B+, A+, Zero, and Zero W
- Python library
- Comes fully assembled

Multi-colour EPD displays, like the ones on Inky pHAT, use ingenious electrophoresis to pull coloured particles up and down on the display. The coloured particles reflect light, unlike most display types, meaning that they're visible under bright lights. It takes approximately 15 seconds to refresh the display, with a typical 8mA current draw during refreshes. The black/white display can be refreshed much more quickly, in just a second or two.

Everything comes fully-assembled, and there's no soldering required! The display is securely stuck down to the Inky pHAT PCB and connected via a ribbon cable. Just pop Inky pHAT on your Pi and run our installer to get everything set up!

It'll work with any 40-pin version of the Pi, including Pi Zero and Pi Zero W.

Software

Our Python library takes the stress out of displaying text and images on Inky pHAT, and our examples include a cute clock and weather display. We've put together a one-line-installer for the Python library too, to make installation a little more straightforward.

Our software does not support Raspbian Wheezy.

Notes

- Overall dimensions: 65x30x8.5mm (WxHxD, depth includes header and display)
- Display usable area dimensions: 48.5x23.8mm (WxH), 2.13" diagonal