Inky pHAT

PIM299

A low-energy, high-falutin, red/black/white electronic paper display for your Pi!

Inky pHAT's beautiful 212x104 pixel, three-colour 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.

Features

- Red, black, and white 2.13" EPD display (212x104 pixels)
- Inky pHAT pinout https://pinout.xyz/pinout/inky_phat#
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- Python library https://github.com/pimoroni/inky-phat
- Comes fully assembled

Multi-colour EPD displays, like the one 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.

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.

Notes

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