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Inky wHAT (ePaper/eInk/EPD)

🌑 LCD-15736

DESCRIPTION   **FEATURES**

- 4.2" EPD display (400x300 pixels)
- 40-pin female header included to boost height for full-size Pis
- Standoffs included to securely attach to your Pi
- Additional pins, including I2C and SPI, broken out *** Inky wHAT pinout**
- Compatible with all 40-pin header Raspberry Pi models *** Python library**
- Comes fully assembled

Multi-color EPD displays, like the one on Inky wHAT, use ingenious electrophoresis to pull colored particles up and down on the display. The colored particles reflect light, unlike most display types, meaning that they're visible under bright lights. It takes approximately 25 seconds to refresh the display.

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

There are also handy pins including I2C and SPI, on the back of Inky wHAT, letting you connect additional devices like breakouts and allowing you to show their data right on the display.

Inky wHAT works with any 40-pin version of the Pi, including Pi Zero and Pi Zero W.

Software

The Python library takes the stress out of displaying text and images on Inky wHAT, and there are a few examples to show off Inky wHAT's capabilities. There's a one-line-installer for the Python library too, to make installation a little more straightforward.

Notes

- Pro-tip: you can treat the three-color displays as black and white - InkyPHAT("black") - and they'll refresh as quickly as a black and white display, in just a couple of seconds
- The Inky wHAT display is made from glass so it's pretty fragile. Be careful not to drop it or press too hard on it, or it will crack. When fitting the wHAT, grip at the edges of the board rather than pressing on top.
- Overall dimensions: 91x77x8.5mm (WxHxD, depth includes header and display)
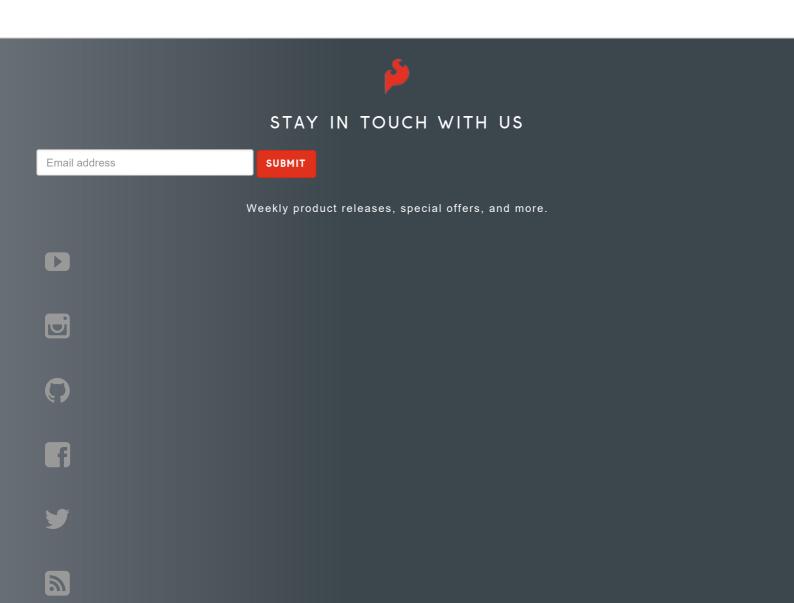- Display usable area dimensions: 84.8x63.6mm (WxH), 4.2" diagonal

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