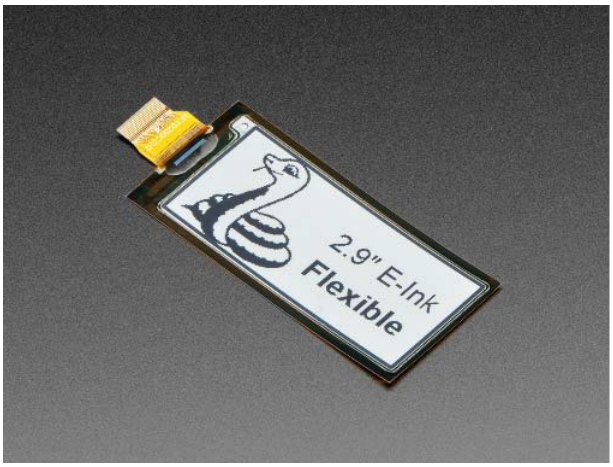

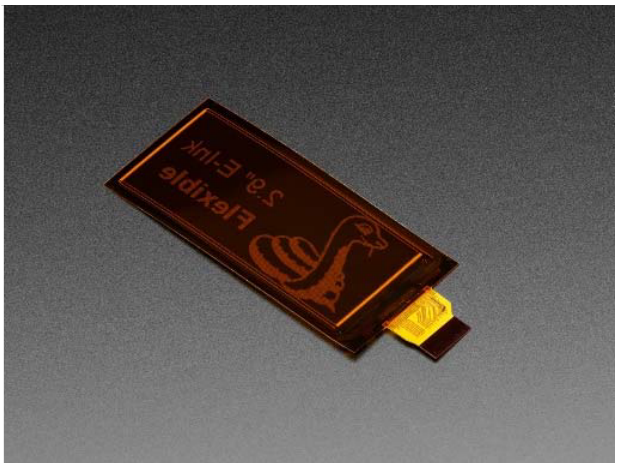

2.9" Flexible Monochrome eInk / ePaper Display - 296x128 Monochrome

PRODUCT ID: 4262

Woah, the cyber-future is here! Flexible E-Ink has been demo'd at high tech events for years but now you can actually get your paws on it. This display is true E-Ink / E-Paper, once an image is displayed it will stay even once you remove all power. The image is also high contrast and very daylight readable. It really does look just like printed paper!

This flexible display sports a **2.9" monochrome (black and white) display**. It has 296x128 black ink pixels on a white-ish background. The monochrome displays also take a lot less time to update, only a couple seconds instead of 15 seconds.

Please note: this display is *flexible* but that doesn't mean you can constantly flex it.

- These displays should not be flexed/moved *during* a display update, you'll get odd effects.
- Continuously flexing it will eventually damage the display.

- There's no specification for how many times it can be flexed, so keep it minimal!
- We recommend affixing the display to a stable backing to reduce stresses. E.g. it can be attached to a stiff curved bracelet to make a watch.

Using our CircuitPython or Arduino libraries, you can create a 'frame buffer' with what pixels you want to have activated and then write that out to the display. Most simple breakouts leave it at that. But if you do the math, 296 x 128 pixels = 4.7 KBytes. Which won't fit into many microcontroller memories. Heck, even if you do have 32KB of RAM, why waste 5KB?

The library we wrote does all the work for you, you can just interface with it as if it were an Adafruit_GFX compatible display.

Note: This is *just* the display. You'll want your own eInk Breakout Friend too!

TECHNICAL DETAILS

- Dimensions (excluding ribbon cable): 80 x 37 x 0.25mm