



2.7" Triple-Color E-Ink Shield for Arduino

SKU 104030067

The 2.7" Triple-Color E-Ink Display is a 264x176 pixel Arduino E-Ink display shield which can display white/black/red for each pixel.

E-Ink screen also known as E-paper screen, we have released several E-Ink screens of various sizes, including grove E-Ink module, raspberry pi E-Ink hat. Now we introduce you to the new member of the Seeed E-Ink family -- the 2.7" Triple-Color E-Ink Display for Arduino.

The 2.7" Triple-Color E-Ink Display is an Arduino E-Ink display shield, which contains 264x176 pixels, and can display white/black/red for each pixel. This shield communicates with Arduino via the SPI interface and it reserves a Grove I2C interface for use with other modules. With the help of a comparison circuit, the module achieves self-adaptation of the 3.3V and 5V voltage system.

Compared to traditional LCD displays, E-Ink eliminates the need for backlighting and therefore power consumption is ultra low. And the E-Ink has an extremely wide viewing angle with very high contrast so that it even can be clearly displayed in direct sunlight. On top of that, the E-Ink can display user-set images for a long time(For weeks or even months) without any power supply. What an amazing display!

If you are interested, you can click on the image below to view the different sizes of Arduino E-Ink or Raspberry Pi E-Ink.

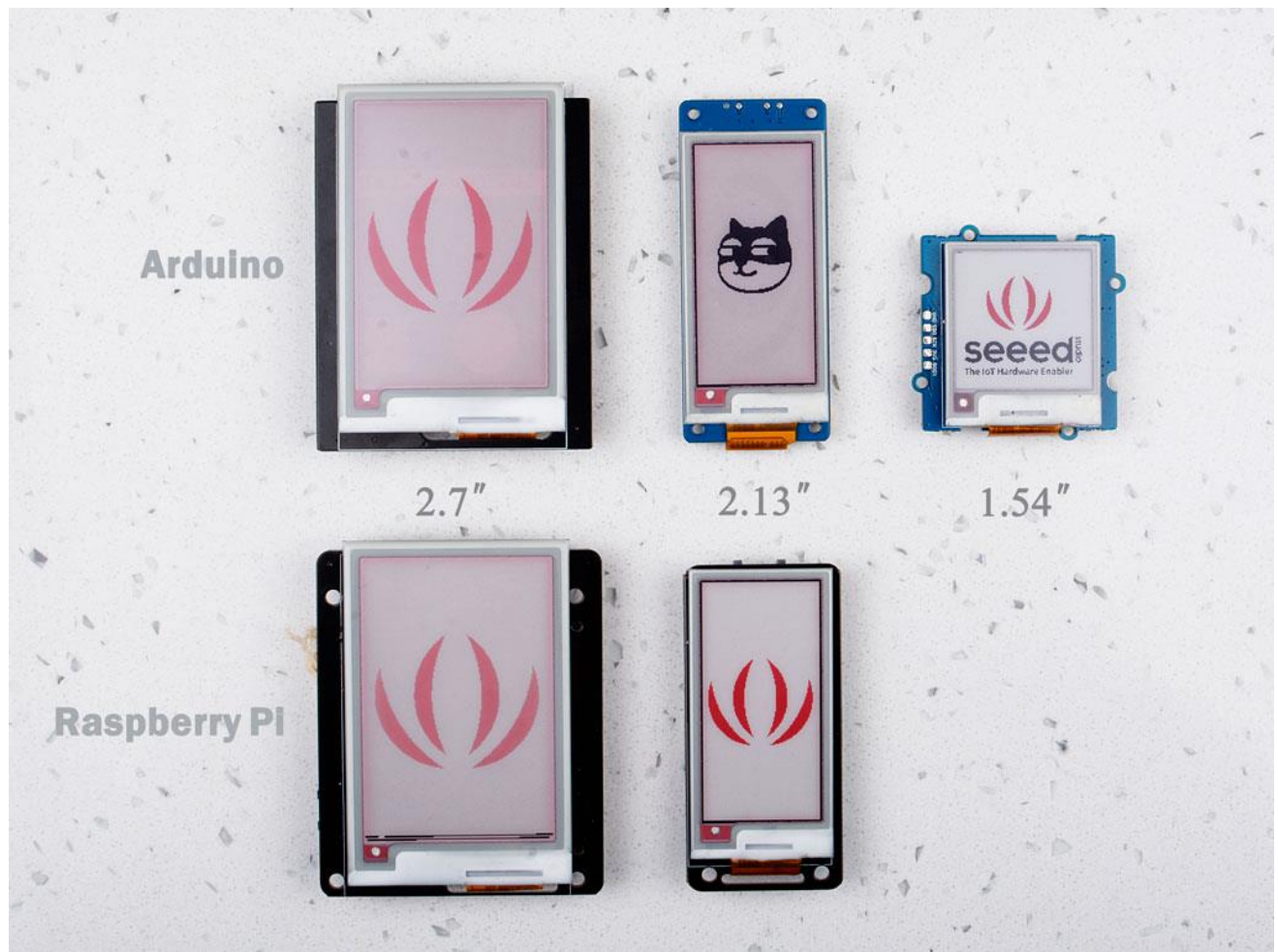


Figure 1. *Seeed E-Ink Series*

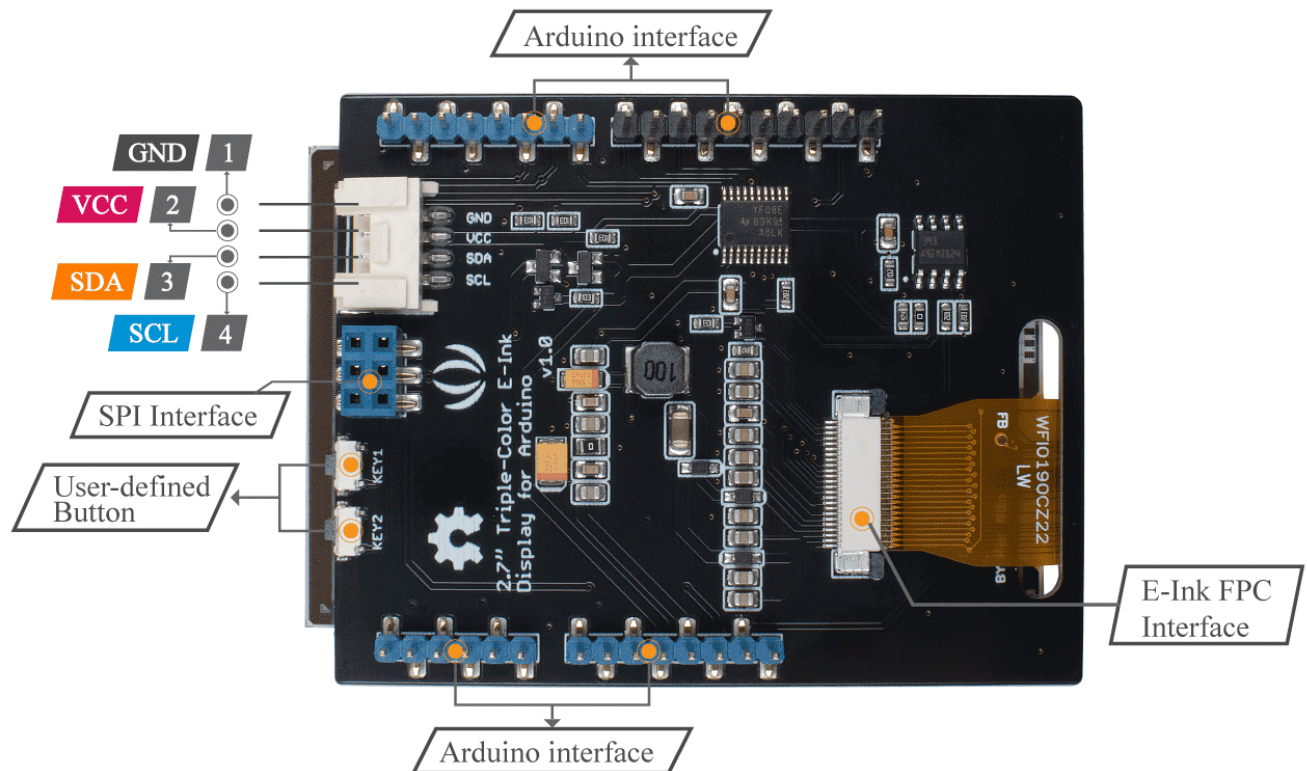
Features

- Ultra low power consumption
- Ultra wide viewing angle
- High contrast

Applications

- Low power display scene
- Outdoor display scene
- Industrial instrument
- Shelf label

Hardware Overview



- 1** : connect to the GND of Raspberry pi
- 2** : 3.3v / 5v
- 3** : Data pin of I2C
- 4** : Clock pin of I2C

Figure 2. hardware overview

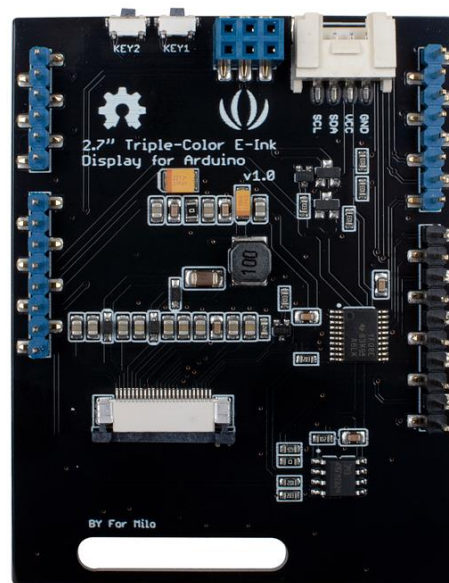
ECCN/HTS

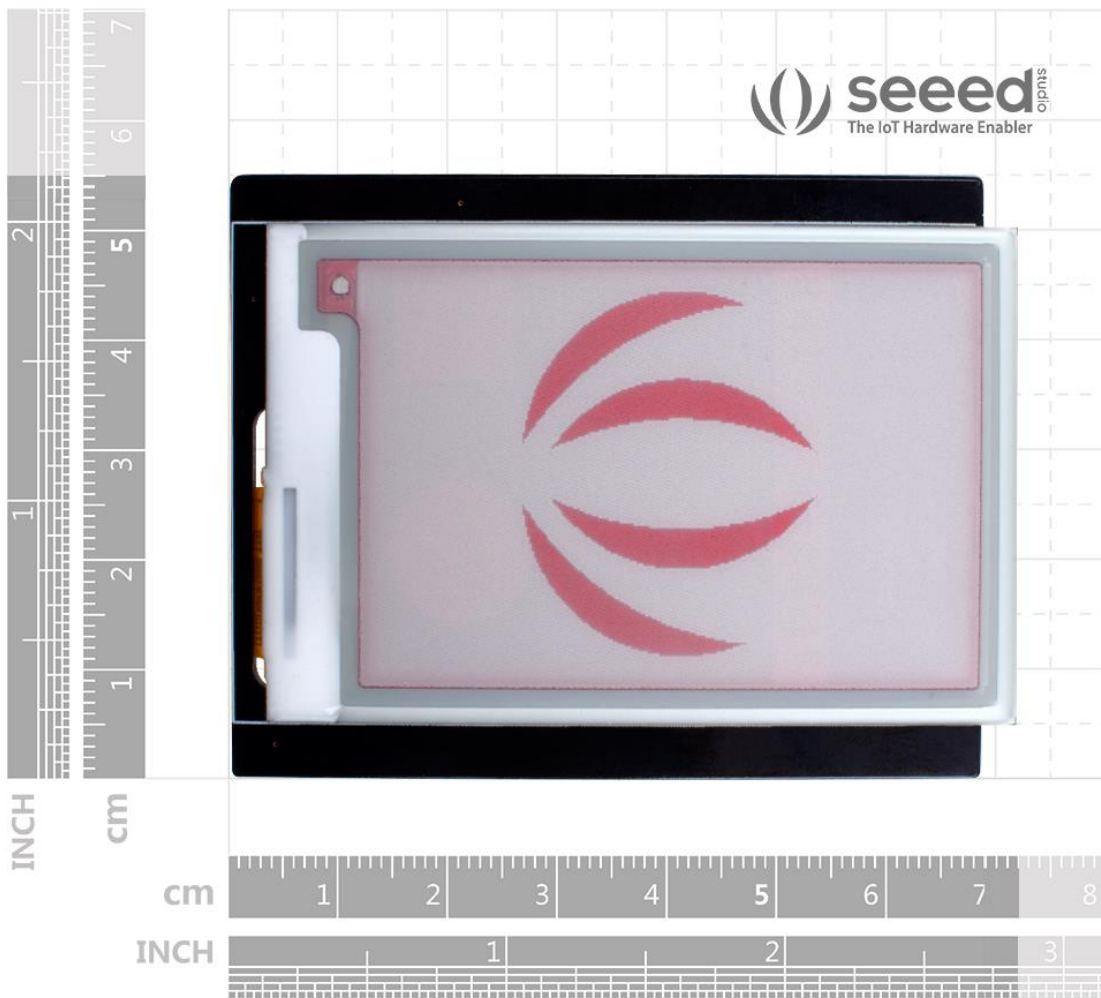
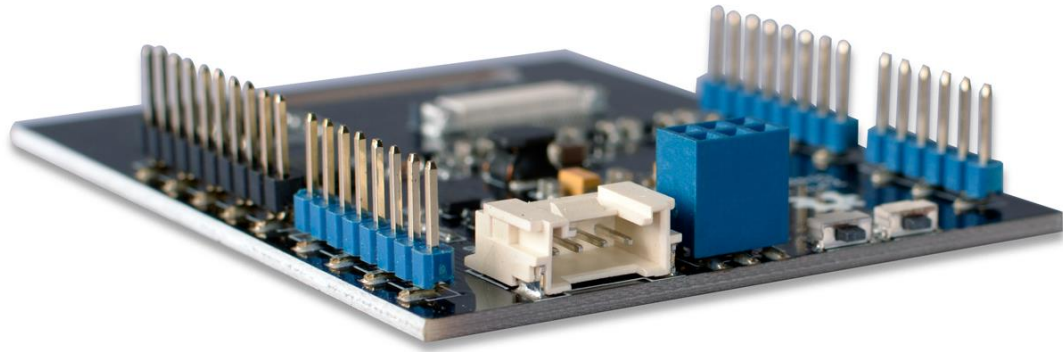
ECCN	EAR99
HSCODE	8531809000
UPC	

[2.7-inch Elink Shield Library in Github](#)

[2.7-inch Elink Shield Schematical File](#)

[TXS0108E datasheet.pdf](#)





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<https://www.seeedstudio.com/2-7-Triple-Color-E-Ink-Shield-for-Arduino-p-4069.html/9-13-19>