SOLDERED INKPLATE 2

Weight	80 g
Variant	Without e-paper Display, With e-paper, With e-paper & Enclosure, With e-paper, Enclosure & Battery

DESCRIPTION

The Inkplate 2 is an Arduino-compatible board that features a 2.13" three-color e-paper display. It is a plug-and-play device, programmable via USB port, and controlled by an ESP32 microcontroller. Moreover, it connects to the internet via WiFi or Bluetooth. Since it uses only 8uA in low-power mode, it can last for months on a single Li-ion battery charge. It's simple enough to be used by beginners, but it also offers plenty of features and a user-friendly platform for advanced users. Inkplate 2 has it all, packed on a small-factor board.

If you're like us, when you first saw an e-book reader, you thought "If only I could use a screen like this in my project". Thanks to the exceptional sharpness and contrast, the ability to display in sunlight and truly unprecedented efficiency in terms of energy (it consumes energy only when changing the content on the screen), electronic paper is the ideal choice for many applications. Inkplate 2, continuing the tradition of the now well-known Inkplate series, offers a variation of e-paper accessible to hobbyists and everyone else in a way that we have created a plug-and-play hardware that is really easy to use, and is compatible with [Arduino](#) and micropython.

Inkplate 2 options:

With e-paper display & enclosure: This version offers a sturdy and sleek enclosure for your device, made with precision from a 3D printer. It's perfect for those who want an extra layer of protection without any added features.

With e-paper display, enclosure, and battery: Upgrade to this version if you're looking for both protection and mobility. This option includes a 3D-printed enclosure as well as an integrated battery, ensuring your device stays powered even on the go.

Without e-paper display: For those who prefer a simpler or alternative display solution, this version does not include the e-paper display. It's ideal for users who have their own display solutions or prefer to use the device without a visual interface.

Choose the one that best fits your needs and enhance your experience!

FEATURES

- Screen size: 2.13"
- Screen resolution: 212x104px
- Screen colors: red, black, white
- Pixel density: 111dpi
- Screen refresh time: 15s
- Microcontroller: ESP32
- Flash memory: 8MB
- RAM: 4MB
- Current (low-power mode): 8uA
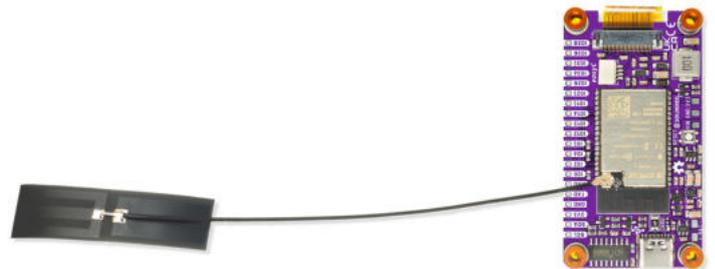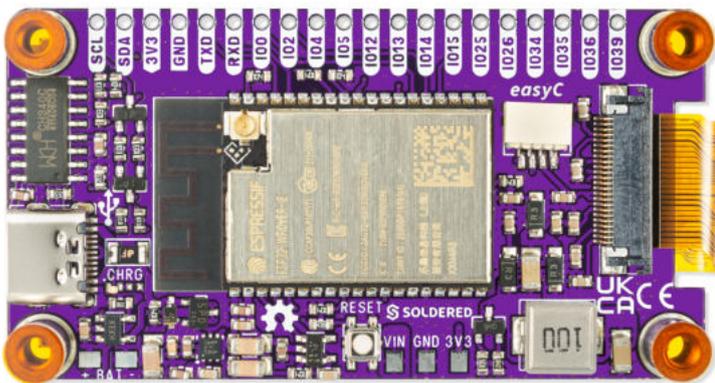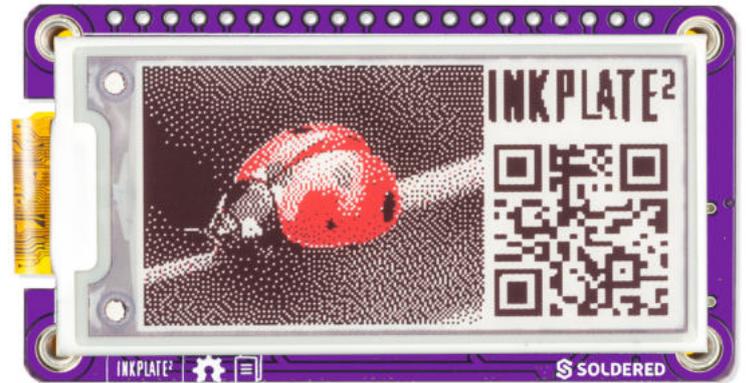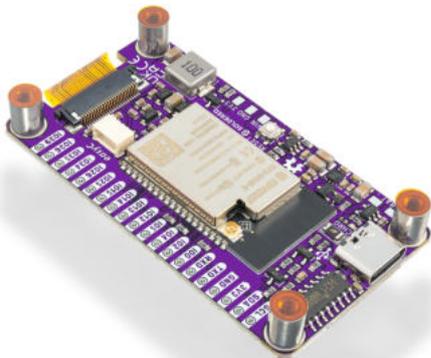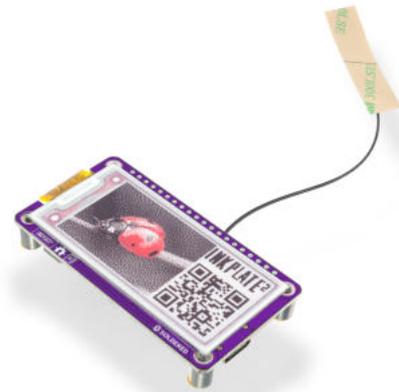- Screen flickering occurs while changing the screen contents

USEFUL LINKS

- [Arduino library](#)
- [Inkplate documentation](#)
- [Micropython module](#)
- [Getting started with Inkplate](#)
- [Hardware design](#)

TIPS

The version without e-paper display (EPD) is to be used by professionals. We do not offer support for this type of board.
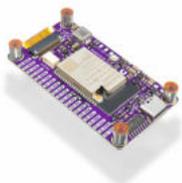
OTHER IMAGES

Weight	80 g
Variant	Without e-paper Display, With e-paper, With e-paper & Enclosure, With e-paper, Enclosure & Battery

VARIATIONS

Image	SKU	Variant
	333227	Without e-paper Display
	333166	With e-paper
	333167	With e-paper & Enclosure
	333228	With e-paper, Enclosure & Battery