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INDUSTRIAL PRODUCT DATASHEET

XIAO ePaper DIY Kit EE02 for 13.3" Spectra™ 6 E-Ink

A plug-and-play ePaper development kit for 13.3" Spectra™ 6 displays with built-in ESP32 and no-code UI platform.

SKU	UPDATED
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Overview



The XIAO ePaper DIY Kit EE02 is a ready-to-use developer kit for 13.3" Spectra™ 6 E-Ink displays, featuring an integrated XIAO ESP32-S3 Plus and pre-flashed SenseCraft Seeedash firmware for no-code UI design. It enables applications like real-time dashboards, security alerts, digital photo frames, and public transit boards with simple battery management and user-programmable buttons.

Key Features

Note:

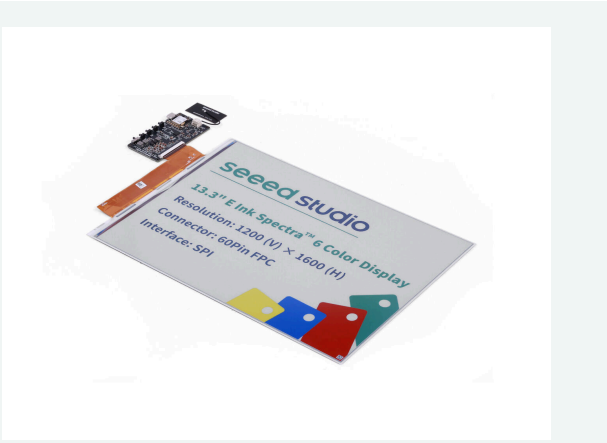
- XIAO ePaper DIY Kit EE03 supports **SenseCraft Seeedash**, our no-code UI design platform, formerly known as SenseCraft HMI. All your existing content remains available.

- **Built in XIAO ESP32-S3 Plus：** Works immediately when connected to a compatible ePaper display.
- **Dedicated 13.3" Spectra™ 6 E-Ink Support:** Specifically designed for 13.3" Spectra™ 6 displays, ensuring quick setup and stable operation.
- **BAT Connector with Switch:** Provides simple battery connection and integrates a switch, enabling efficient power management and energy savings.
- **User-Friendly Buttons:** Features 1 reset button and 3 user-programmable buttons, providing flexibility for project acceleration and customizable functions.
- **SenseCraft Seeedash Firmware Pre-Flashed**: Simply plug in and start right away with **SenseCraft Seeedash**, our AI-powered no-code UI design platform. Choose from rich templates or drag-and-drop UI building (with optional AI assistance), and deploy to the ePaper display in just a few clicks.

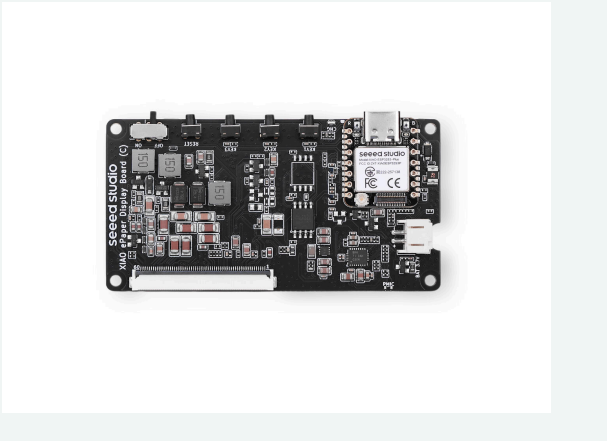
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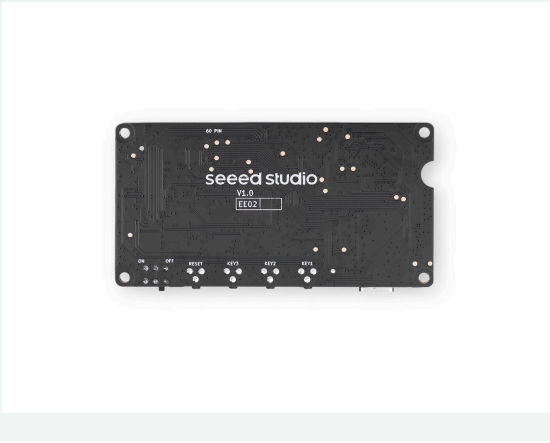
Occasional high-frequency sound may occur during operation. This is normal due to the ePaper power circuit and does not affect performance.

Product Gallery

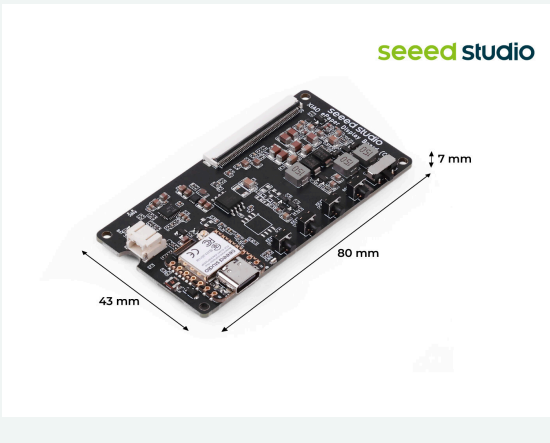










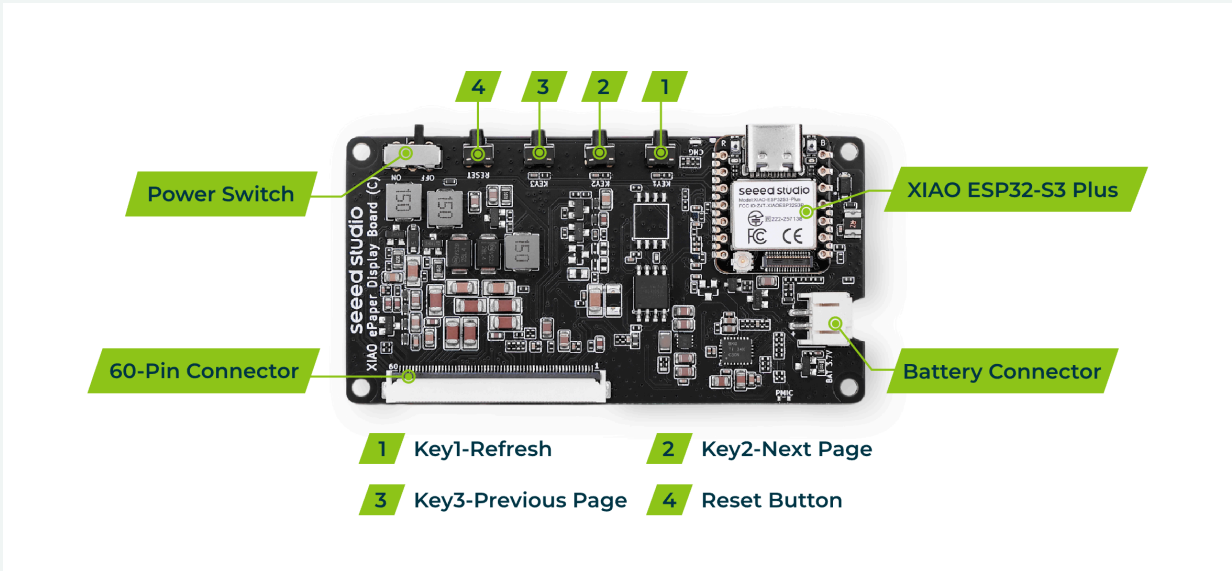




Specification

Parameter	Description
Processor	XIAO ESP32-S3 Plus
ePaper Connector	FPC 60 Pin 0.5mm
Battery Connector	JST 2.0mm
Switch	Battery Power ON/OFF
Power Supply	- 3.7V Li-Battery - USB Type-C
Button	-1x Reset button -3x User button

Hardware Overview



Applications

- **Real-Time Dashboard:** Display live information such as weather updates, calendar schedules, key notifications, and data widgets like energy usage, sensor status, or KPIs.
- **Security Alerts:** Display alerts and notifications about security events, such as motion detection or door/window sensor activation.
- **Digital Photo Frame:** Create a WiFi-enabled digital photo frame that can display images from your local network or cloud albums.
- **Public Transit Arrival Board:** Show real-time bus/train arrival times, route status, and service alerts at a glance for daily commuting.

Product	Name	Resolution	Display Color	Partial Refresh	SenseCraft HMI
		200x200		√	√
		250x122		√	√
		250×122			√
		212x104		√	
		296x128			
		296x128		√	√
		296x128			√
		400x300		√	
		800x480			√
		648x480		√	
		800x480			√
		800x480		√	√
		1404×1872		√	√
		1600x1200			√

Resource Links

- https://www.seeedstudio.com/XIAO-ePaper-DIY-Kit-EE02-for-13-3-Spectratm-6-E-Ink.html
- Wiki-XIAO ePaper Display Board EE02 Resources

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