

INDUSTRIAL PRODUCT DATASHEET

XIAO ePaper Display Board EE02 for 13.3" Spectra™ 6 E-Ink

XIAO ePaper Display Board EE02 for 13.3" Spectra™ 6 E-Ink with built-in XIAO ESP32-S3 Plus and pre-flashed SenseCraft HMI firmware for no-code UI deployment in dashboard, security alert, photo frame, and transit board...

SKU

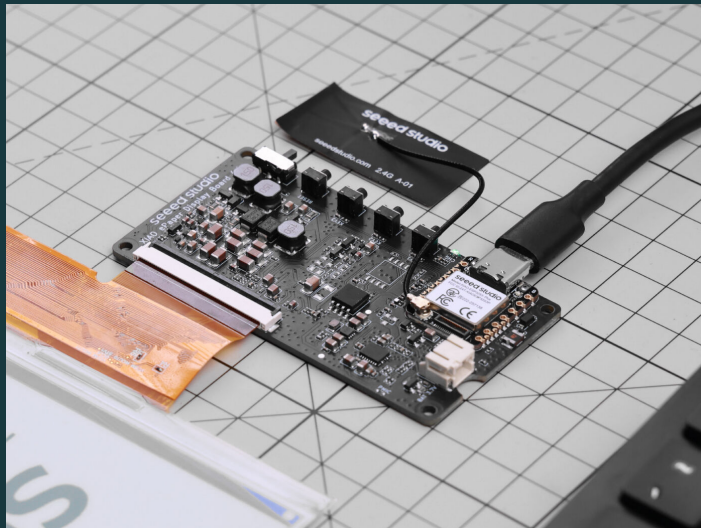
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UPDATED

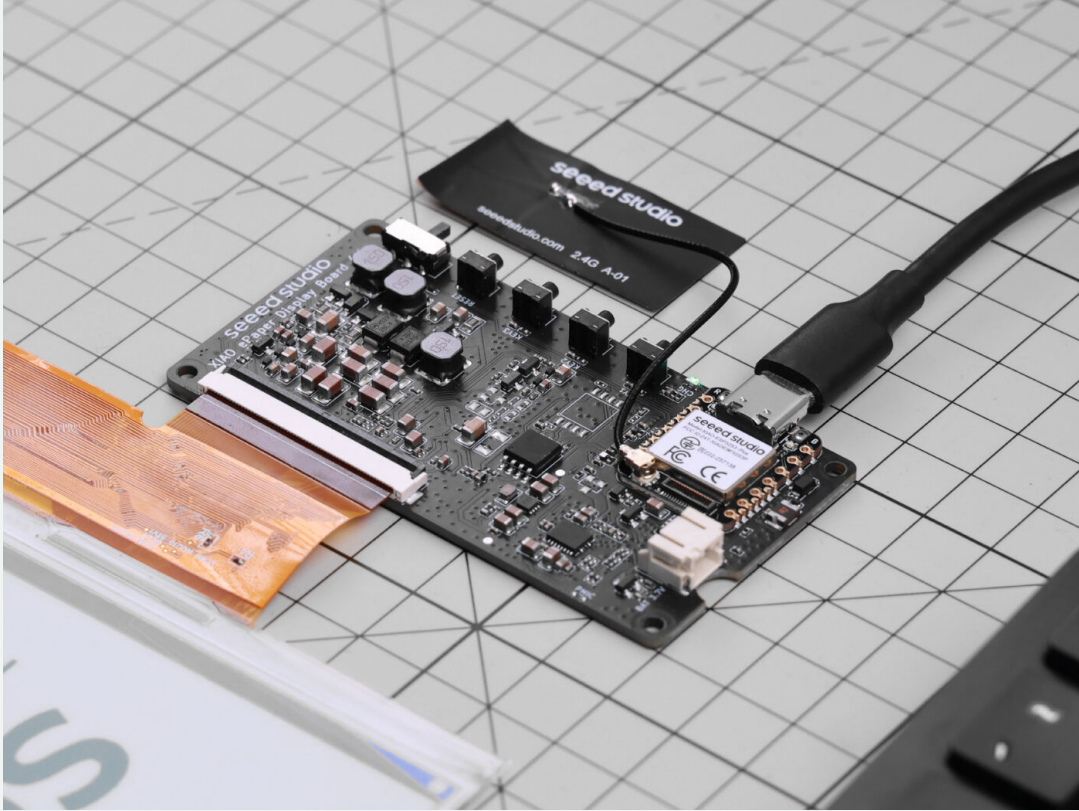
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PRICE

\$14.90(Excl. VAT)



Overview



The XIAO ePaper Display Board EE02 for 13.3" Spectra™ 6 E-Ink features a built-in XIAO ESP32-S3 Plus, dedicated 13.3" Spectra™ 6 ePaper support, BAT connector with switch, and one reset plus three user-programmable buttons. Pre-flashed with SenseCraft HMI firmware, it supports no-code UI deployment for real-time dashboards, security alerts, digital photo frames, and public transit arrival boards.

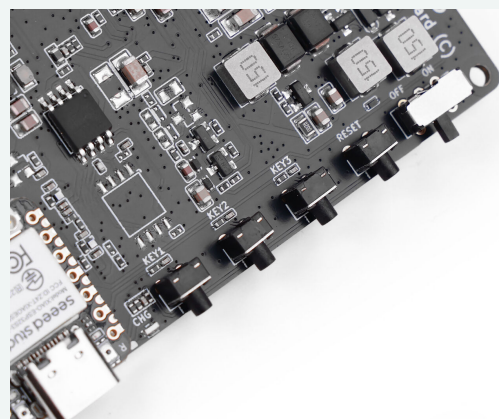
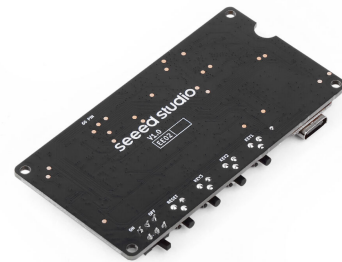
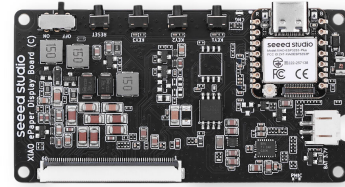
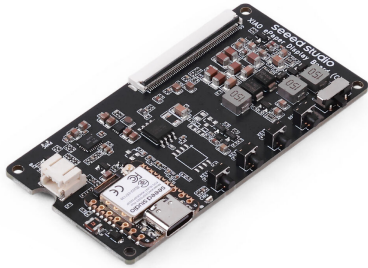
Key Features

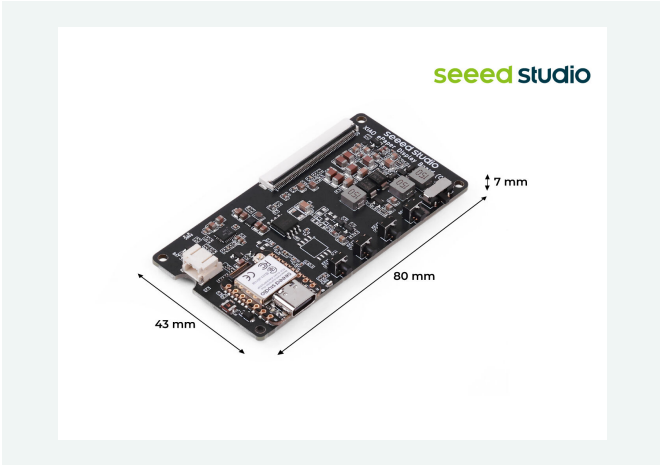
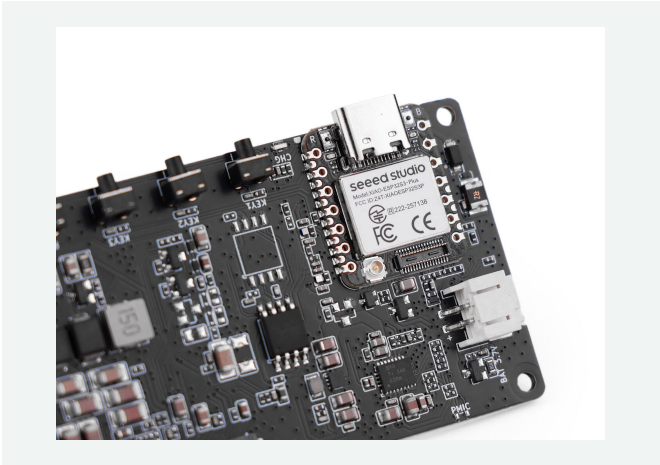
- **Built in XIAO ESP32-S3 Plus :** Works immediately when connected to a compatible ePaper display.
- **Dedicated 13.3" Spectra™ 6 E-Ink Support:** Specifically designed for 13.3" Spectra™ 6 displays, ensuring quick setup and stable operation.
- **BAT Connector with Switch:** Provides simple battery 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 HMI Firmware Pre-Flashed:** Simply plug in and start right away with [SenseCraft HMI](#), 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.

Note:

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

Product Gallery

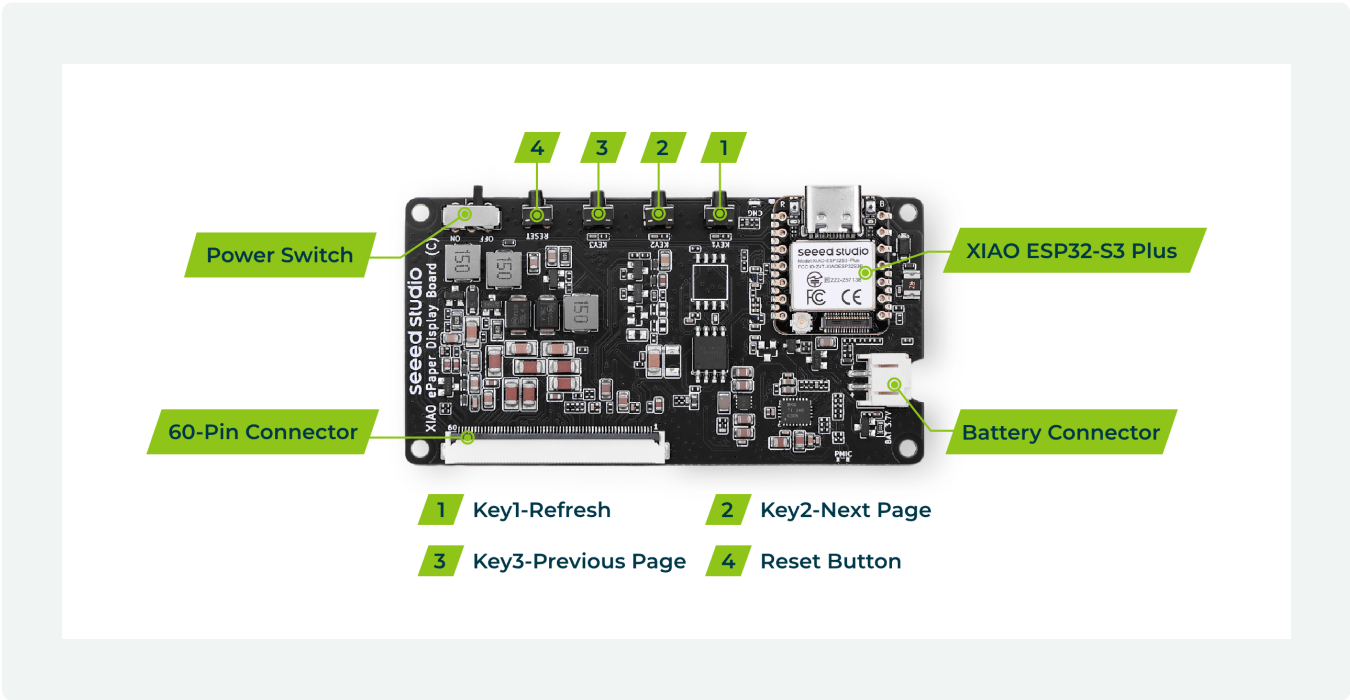




Specification

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								
Processor	XIAOESP32-S3 Plus	XIAOnRF52840 Plus	XIAOESP32-S3 Plus	XIAOnRF52840 Plus	XIAO ESP32-S3 Plus	XIAO ESP32-S3 Plus	N/A(Compatible with XIAO Series)	
Compatible Displays	24 Pin ePaper	24 Pin ePaper50 Pin ePaper			24 Pin ePaper			
Battery Connector	JST 2.0mm	JST 2.0mm	JST 2.0mm	JST 2.0mm	JST 2.0mm	/		
Battery Power ON/OFF	√	√	√	√	√	/		
Button	1x Reset,3x User	1x Reset,3x User	1x Reset3x User	1x Reset3x User	/			
Extension IO Port	√	/	/	/	√			
SenseCraft HMI	√	/	√	/	√	√	/	

Product	Name	Resolution	Display Color	Partial Refresh	SenseCraft HMI
		200x200		√	√
		250x122		√	√
		250x122			√
		212x104		√	
		296x128			
		296x128		√	√
		296x128			√
		400x300		√	
		800x480			√
		648x480		√	
		800x480			√
		800x480		√	√
		1404x1872		√	√
		1600x1200			√

Part List

XIAO ePaper Display Board EE02	×1
60Pin Adapter and 60Pin FFC Extension Cable	×1
2.4GHz FPC Antenna (2.9dBi)	×1

Compliance & Logistics

HSCODE	8543909000
USHSCODE	8543903500
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/XIAO-ePaper-Display-Board-ESP32-S3-EE02-p-6639.html>
- [Wiki-XIAO ePaper Display Board EE02 Resources](#)

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