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INDUSTRIAL PRODUCT DATASHEET

XIAO ePaper DIY Kit(ESP32-S3) - EE04

A plug-and-play ePaper development kit for rapid prototyping of real-time information displays, supporting smart home dashboards, energy monitors, security alerts, and digital photo frames with effortless no-code UI deployment.

SKU	UPDATED
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Overview



The XIAO ePaper DIY Kit (ESP32-S3) - EE04, powered by the XIAO ESP32-S3 Plus, offers versatile ePaper display support with both 24-pin and 50-pin interfaces, a battery connector with switch, and user-programmable buttons for customizable projects. Applications include smart home dashboards, energy monitoring, security alerts, and digital photo frames, all easily deployed with the no-code SenseCraft Seeedash platform.

Key Features

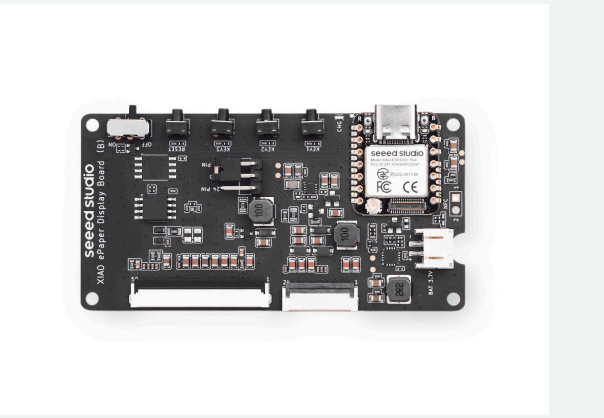
Note:

- **Powered by XIAO ESP32-S3 Plus：** Works immediately when connected to a compatible ePaper display.
- **Versatile Display Support:** Compatible with a wide range of ePaper screens, supporting both 24-Pin and 50-Pin interfaces with easy switching via jumper caps.
- **BAT Connector with Switch:** Provides simple battery connection and integrates a switch, enabling efficient power management and energy savings.
- **User-Friendly Buttons:** Includes 1 reset button and 3 user-programmable buttons, offering flexibility for project acceleration and customizable functions.
- **No-Code UI Design & Deployment with SenseCraft Seeedash:** Design and deploy personalized dashboards effortlessly with **SenseCraft Seeedash**, our new AI-powered no-code platform. Create your UI through simple drag-and-drop elements, choose from our rich templates, or let AI help you. Connect real-time data from web APIs, then deploy your finished dashboard to epaper display with just a few clicks. From design to data configuration to deployment, everything happens seamlessly on one single platform.

Product Gallery

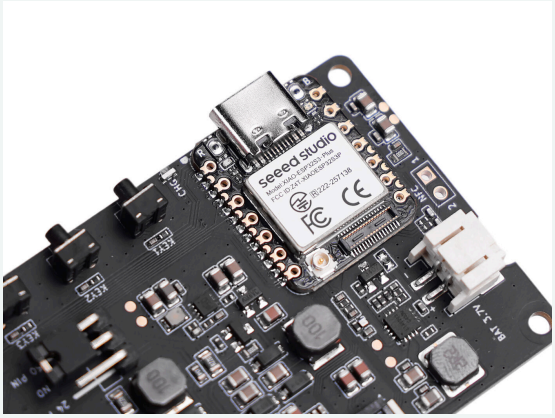


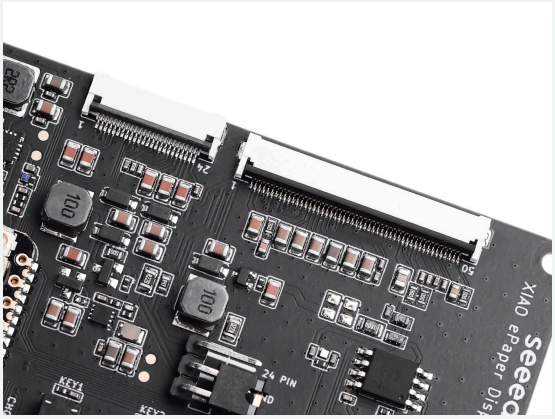








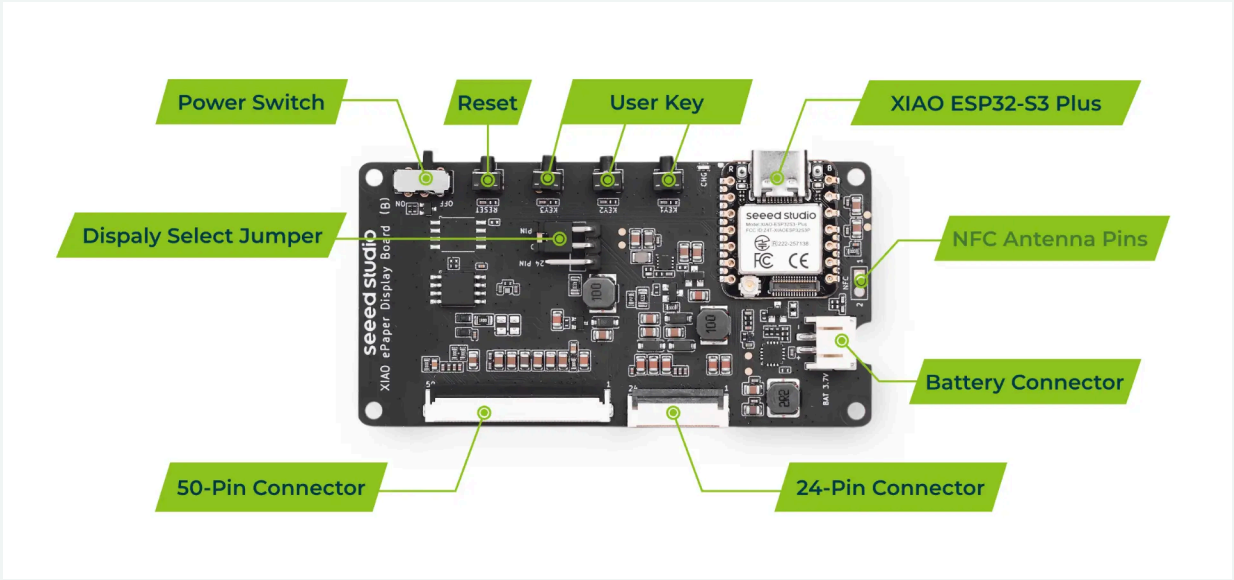




Specification

Parameter	Description
Processor	XIAO ESP32-S3 Plus
ePaper Connector	FPC 24 Pin 0.5mm FPC 50 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

- **Smart Home Dashboard:** Display real-time information such as weather updates, calendar events, and notifications from various smart home devices.
- **Energy Monitoring:** Show energy consumption data from smart meters, helping homeowners track and manage their energy usage more efficiently.
- **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 smart home network.

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-EE04-DIY-Bundle-Kit.html
- Wiki-XIAO ePaperDisplayBoardEE04 Resources

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