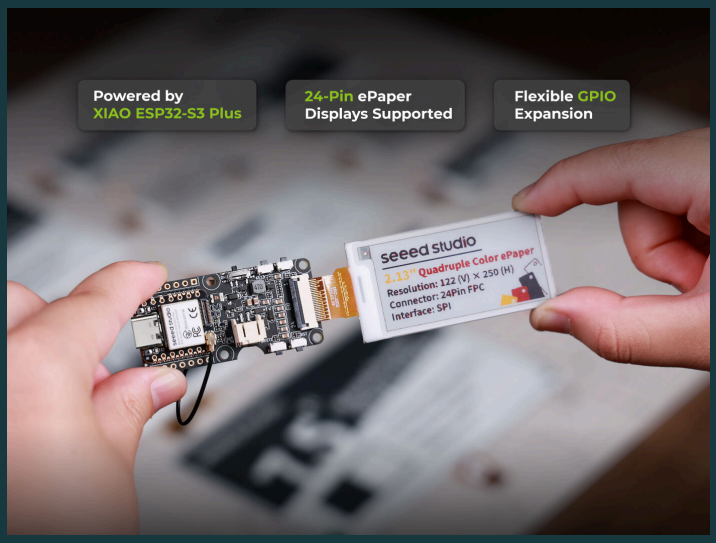
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INDUSTRIAL PRODUCT DATASHEET

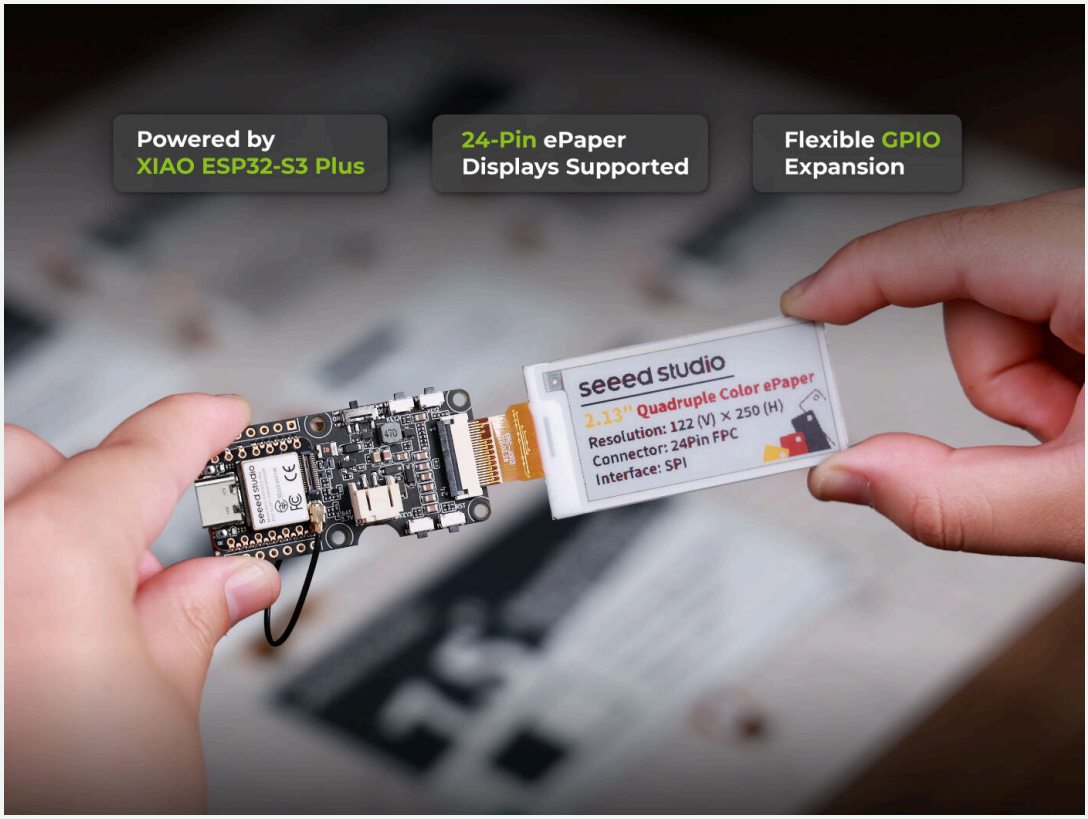
XIAO ePaper DIY Kit(ESP32-S3) - EE05

The XIAO ePaper DIY Kit(ESP32-S3) - EE05 combines the powerful XIAO ESP32-S3 Plus with wide ePaper display compatibility and SenseCraft Seeedash for seamless no-code dashboard design and deployment.

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Overview



The XIAO ePaper DIY Kit(ESP32-S3) - EE05, powered by the XIAO ESP32-S3 Plus, offers versatile support for 24-pin ePaper displays, extension IO ports for sensors, and a BAT connector with switch for efficient power management. It seamlessly integrates with SenseCraft Seeedash for no-code UI design and deployment, enabling personalized dashboards with real-time data from web APIs.

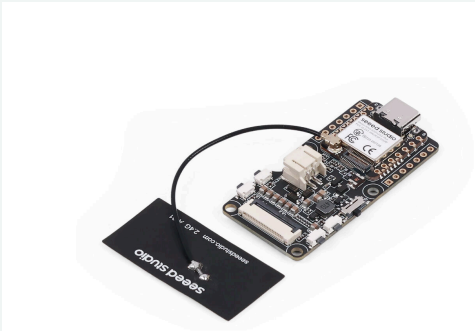
Key Features

Note:

- XIAO ePaper DIY Kit EE05 supports **SenseCraft Seeedash**, our no-code UI design platform, formerly known as SenseCraft HMI. All your existing content remains available.
- **Powered by XIAO ESP32-S3 Plus：** Works immediately when connected to a compatible ePaper display.
- **Versatile Display Support:** Compatible with a wide range of 24-pin ePaper displays, supporting 24-Pin epaper displays for various project requirements.
- **Extension IO Port:** Enables connection of additional sensors, such as temperature and humidity sensors, for enhanced functionality.
- **BAT Connector with Switch:** Provides simple battery connection and integrates a switch, enabling efficient power management and energy savings.
- **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.

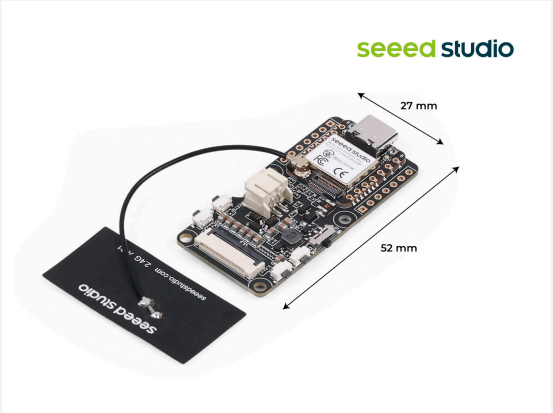
Product Gallery









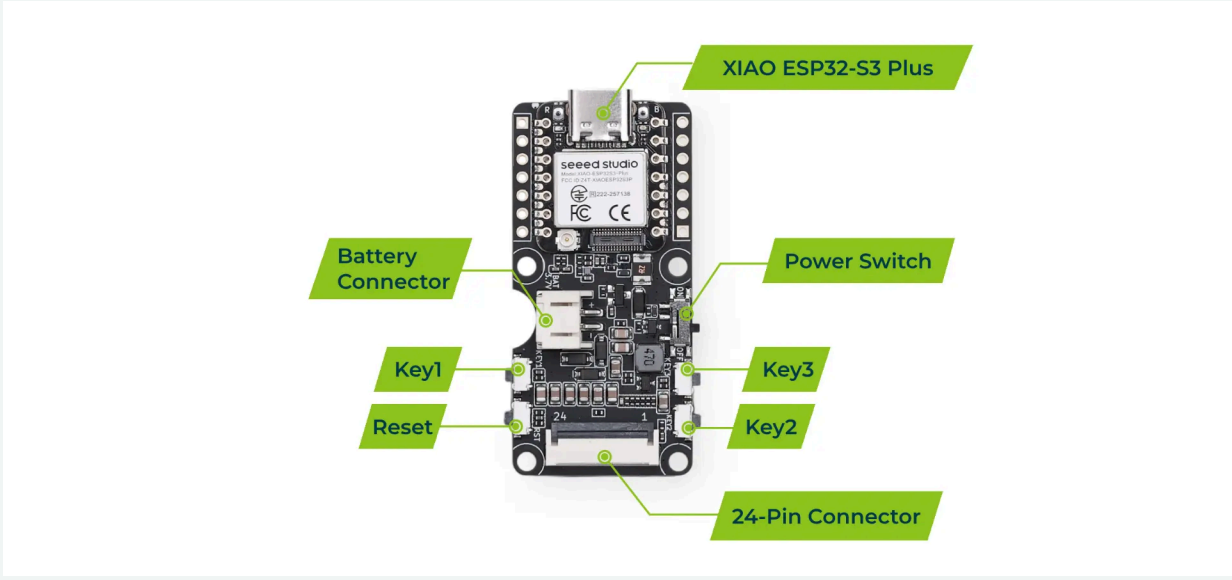


Specification

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

Parameter	Description
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
Software	Support SenseCraft Seeedash(SenseCraft Seeedash)
	Support Arduino/PlatformIO development platform

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-DIY-Kit-ESP32-S3-EE05.html
- Wiki-XIAO ePaper Display Board EE05 Resources

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com