

INDUSTRIAL PRODUCT DATASHEET

ePaper Driver Board for Seeed Studio XIAO

Efficient ePaper driver board with battery charging and versatile connectivity for Seeed Studio XIAO-based smart display and monitoring projects.

SKU

114993558

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PRICE

\$4.90(Excl. VAT)



Overview

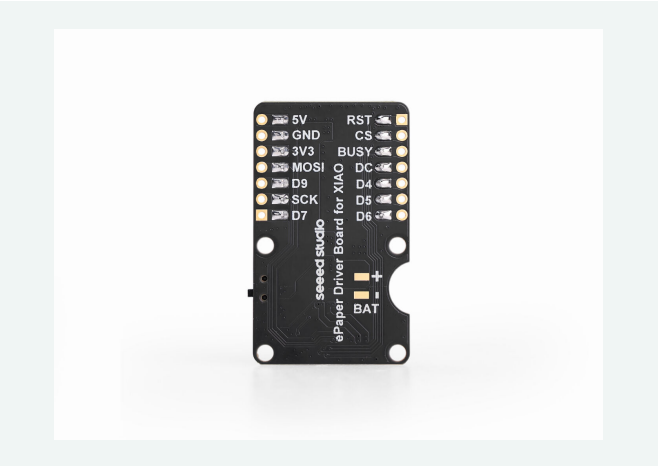
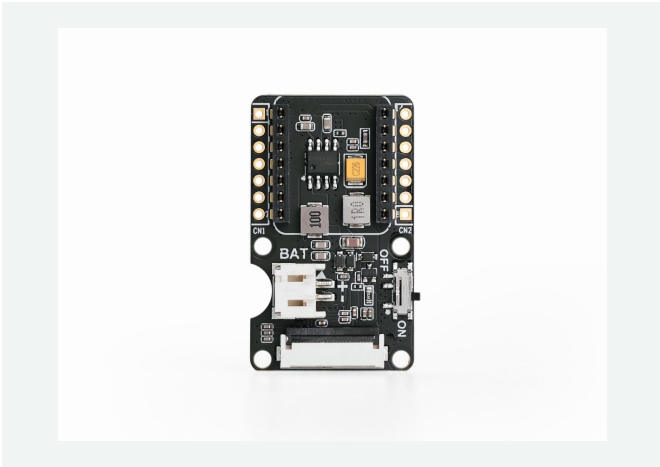


The ePaper Driver Board for Seeed Studio XIAO features a built-in charging IC for efficient battery management and a BAT connector with switch for energy saving. With a 24-pin PFC connector, extension IO port, and seamless integration into the XIAO ecosystem, it is ideal for applications such as smart home dashboards, energy monitoring, security alerts, smart thermostat displays, and digital photo frames.

Key Features

- **Built-in Charging IC:** Ensures efficient and safe battery charging.
- **BAT Connector with Switch:** Allows for easy battery connection and includes a switch to combine the battery and switch for more efficient energy saving.
- **24-Pin PFC Connector:** Provides versatile connectivity options for various peripherals.
- **Extension IO Port:** Enables connection of additional sensors, such as temperature and humidity sensors, for enhanced functionality.
- **Compatible with Seeed Studio XIAO Ecosystem:** Seamlessly integrates with the XIAO series(Pre-Soldering Version) for versatile project development.

Product Gallery



Specification

ePaper Connector	FPC 24 Pin 0.5mm Top Contact
Battery Charge IC	ETA9740

Battery Connector	JST 2.0mm
Switch	Battery Power ON/OFF
Female Header	7 Pin 2.54mm Connecting to MCUs like Seeed Studio XIAO
Power Supply	3.7V Li-Battery Seeed Studio XIAO

Applications

- Smart Home Dashboard
- Energy Monitoring
- Security Alerts
- Smart Thermostat Display
- Digital Photo Frame

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

ePaper Driver Board	x1
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Compliance & Logistics



HSCODE	8543909000
USHSCODE	8543903500
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/ePaper-breakout-Board-for-XIAO-V2-p-6374.html>

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