

seeed studio

INDUSTRIAL PRODUCT DATASHEET

ePaper Driver Board for Seeed Studio XIAO

ePaper Driver Board for Seeed Studio XIAO with built-in charging, switchable battery connection, and expansion I/O for smart home, energy, and security ePaper displays.

SKU

114993558

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PRICE

\$5.90(Excl. VAT)

Overview

The ePaper Driver Board for Seeed Studio XIAO features a built-in charging IC, BAT connector with switch, 24-pin PFC connector, and extension IO port for efficient power management and versatile peripheral connectivity. It is compatible with the Seeed Studio XIAO ecosystem (Pre-Soldering Version) and supports applications including smart home dashboards, energy monitoring, security alerts, smart thermostat displays, and WiFi-enabled digital photo frames.

Key Features

01

Built-in Charging IC

Ensures efficient and safe battery charging.

02

BAT Connector with Switch

Allows for easy battery connection and includes a switch to combine the battery and switch for more efficient energy saving.

03

24-Pin PFC Connector

Provides versatile connectivity options for various peripherals.

04

Extension IO Port

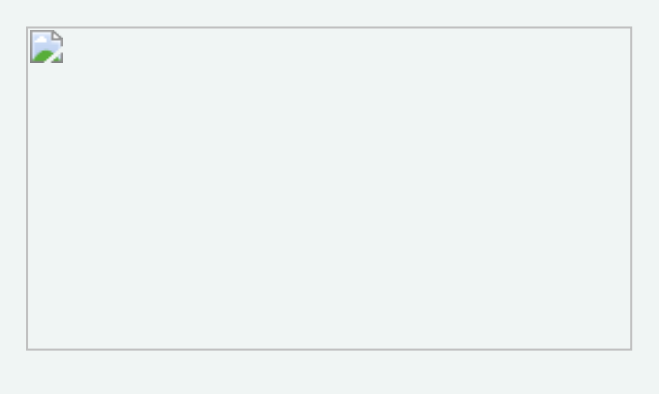
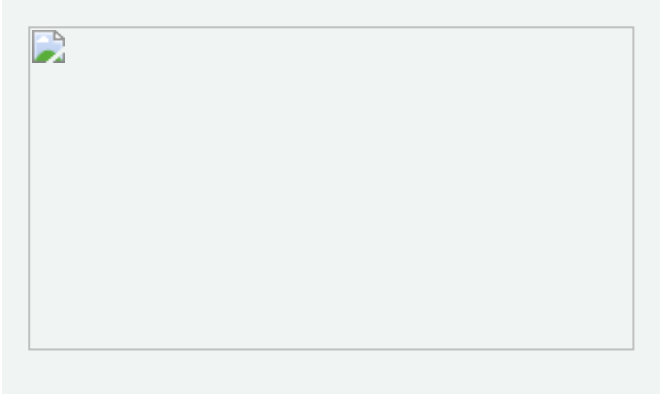
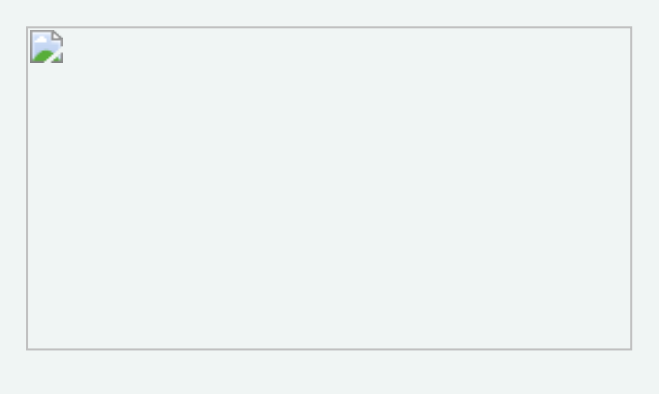
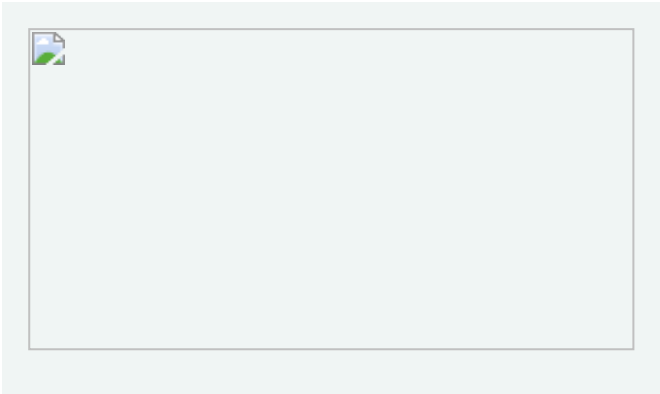
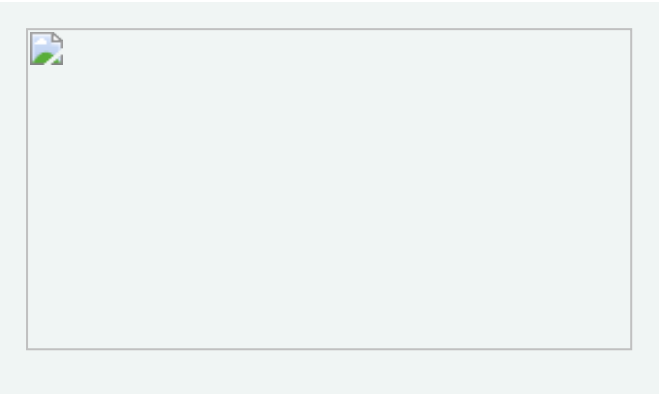
Enables connection of additional sensors, such as temperature and humidity sensors, for enhanced functionality.

05

Compatible with Seeed Studio XIAO Ecosystem

Seamlessly integrates with the XIAO series(Pre-Soldering Version) for versatile project development.

Product Gallery



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.
- **Smart Thermostat Display:** Show temperature and humidity levels, as well as control settings for your smart thermostat.
- **Digital Photo Frame:** Create a WiFi-enabled digital photo frame that can display images from your smart home network.

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			√

Resource Links

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

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