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OpenDisplay 4.26" Mono Kit

The OpenDisplay 4.26" Mono Kit is a ready-to-use e-paper display, co-developed by Seeed Studio and OpenDisplay.

SKU	UPDATED	PRICE
100036064	2026-11-11 09:24:25	$39.90(Excl. VAT)



Overview



The OpenDisplay 4.26" Mono Kit is a ready-to-use e-paper display, co-developed by Seeed Studio and OpenDisplay. It combines a 4.26-inch 800×480 black-and-white e-paper panel, a Seeed XIAO EN05 driver board (nRF52840), a 2000 mAh rechargeable battery, and a 3D-printed case. The kit ships fully assembled with OpenDisplay firmware and factory settings already installed. Power it on and start using it over Bluetooth Low Energy from your browser or Home Assistant. No Wi-Fi is required. Unlike many ESP32-based e-paper displays that turn the radio off between updates, this kit keeps Bluetooth listening in a low-power mode. If the display is powered on and in range, you can send a new image at any time without a wake-up step.

Key Features

01 **OpenDisplay compatible — works with the OpenDisplay BLE standard, web tools, Home Assistant, and the py-opendisplay Python SDK**

02 **26" black-and-white display at 800×480 pixels — default black and white, with optional 4-gray mode. Images are dithered to the selected palette before upload**

03 **Partial refresh — available in black-and-white mode for faster, lower-power region updates. Not available in 4-gray mode**

04 **Energy-efficient BLE design — the display stays ready for updates while drawing little power on standby. With the built-in 2000 mAh battery and roughly one update every 15 minutes, expect up to two years between charges under typical use**

05 **Ready to go —the firmware and device settings are pre-configured at the factory. If Home Assistant already has Bluetooth coverage, the display can appear automatically when you power it on**

Product Gallery













Resource Links

- https://www.seeedstudio.com/OpenDisplay-4-26-Mono-Kit-p-7032.html
- OpenDisplay project website
- OpenDisplay Toolbox
- BLE Tester
- Battery life calculator
- OpenDisplay Firmware (GitHub)
- py-opendisplay (Python SDK)
- Home Assistant integration (GitHub)
- OpenDisplay Discord
- In-depth OpenDisplay guide

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