

INDUSTRIAL PRODUCT DATASHEET

7.3" spectra™ 6 E-Ink / ePaper Display with 800x480 Pixels, SPI interface, Support XIAO/Arduino

7.3" spectra™ 6 E-Ink / ePaper Display with 800x480 Pixels: six-color, ultra-low-power ePaper for reading equipment, retail shelf labels, conference room signage, logistics tracking boards, and smart home dashboards, with...

SKU

100064541

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PRICE

\$45.00(Excl. VAT)



Overview



The 7.3" spectra™ 6 E-Ink / ePaper Display with 800x480 Pixels and SPI interface delivers Vibrant Spectra™ 6 Technology with black, white, yellow, red, green, and blue colors, and ultra-low power consumption that only draws power during updates. It offers developer-friendly integration optimized for XIAO ePaper Display Boards EE04 and EN04, seamless setup with any standard 50-pin driver board, no-code customization via SenseCraft HMI, and is well-suited for reading equipment, retail shelf labels, conference room signage, logistics tracking boards, and smart home dashboards.

Key Features

- **Vibrant Spectra™ 6 Technology Display:** Showcase black, white, yellow, red, green and blue colors more than just black and white, resulting in striking visuals and clear information.
- **Ultra-Low Power Consumption:** The ePaper consumes power only during updates, resulting in longer battery life and greater energy efficiency.
- **Developer Friendly Integration:** Optimized for the XIAO ePaper Display Boards [EE04 \(powered by the XIAO ESP32-S3 Plus\)](#) and [EN04 \(powered by the XIAO nRF52840 Plus\)](#), both with a reserved battery connector and user buttons to speed up prototyping and project development.
- **Wide Range of Applications:** Well-suited for applications such as [electronic photo album, conference room signage, logistics tracking boards, and IoT dashboards](#), where high visibility, multi-color display, and low power consumption make a real impact.

Note:

- If your ePaper has been idle for a long time, you can clear the screen content, which can effectively prevent the residual shadow and increase the screen life.
- Avoid keeping the same image on the screen for more than one day, as this may cause image retention. It is recommended to refresh the display at least once a day.
- Please refresh the screen as infrequently as possible when using and debugging the program. Refreshing the screen at high speed for a long period of time may also reduce the service life of the screen.

Seamless Setup and Customization for Your ePaper Display

This ePaper display is designed to work seamlessly with any standard 50-pin driver board. We recommend the [XIAO ePaper Display Board EE04](#).

To make things even easier, we're introducing [SenseCraft HMI](#)—a no-code, AI-powered platform that allows you to quickly design and customize your user interface. Drag and drop elements, choose templates, or let AI generate the perfect layout for you. Get started today and create your ideal display experience with ease!

How Spectra™ 6 works

Spectra displays are made of millions of Microcaps® that suspend the particles in a clear fluid, enabling precise movement and stable color rendering. By combining red, yellow, green, and blue alongside monochrome, it achieves a rich six-color palette, delivering vivid images with paper-like readability.

Product Gallery

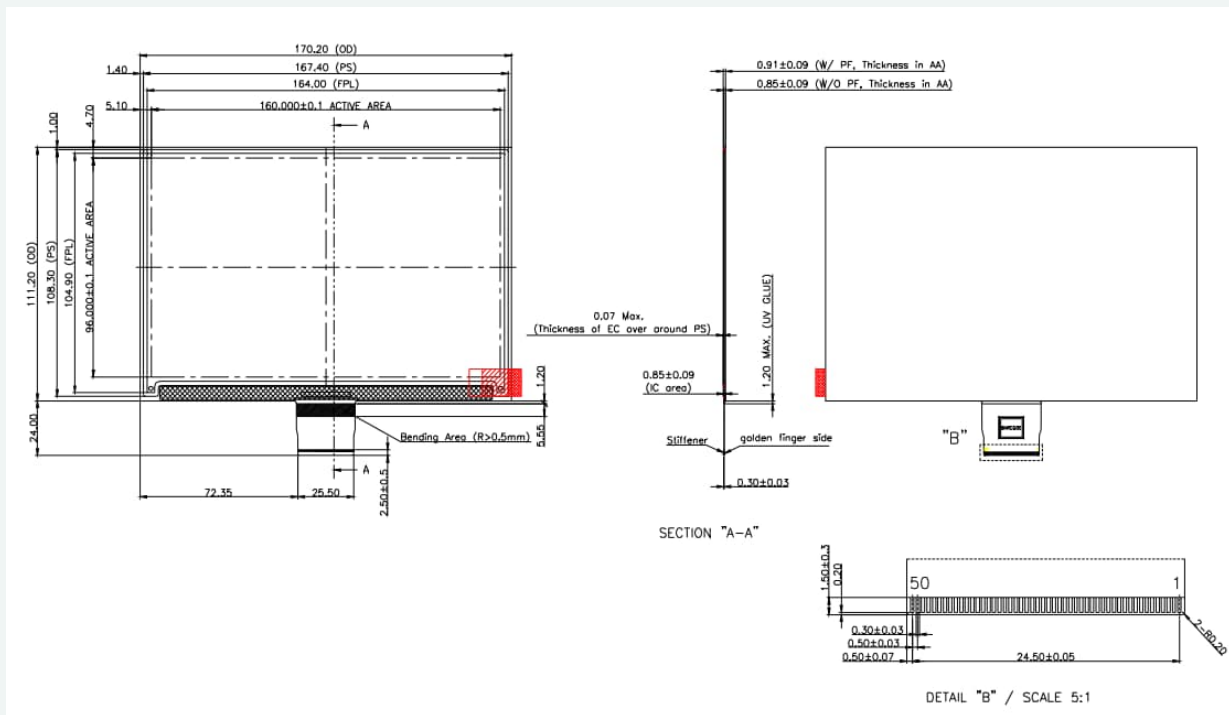


Specification

Parameter	Description
Type	Dot Matrix
Size	7.3 inch

Active Area(mm)	160 (H) × 96 (V)
Resolution	800 (H) × 480 (V)
Pixel Pitch(mm)	0.200 × 0.200
Display Color	Black, White, Yellow, Red, Green and Blue
Interface	SPI
Connector	50 Pin FPC, 0.5mm Pitch
Driver Mode	Support XIAO/Arduino/MicroPython
Drawing	Support GUI Drawing
Outline Dimension(mm)	170.2(H) x 111.2(H) × 0.9 (D)
Weight(g)	33
Weight(g)	60±7

Hardware Overview



Applications

- Reading equipment
- Retail shelf labels
- Conference room signage
- logistics tracking boards
- Smart home dashboards

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

7.3" spectra™ 6 ePaper Display	x1
50Pin Adapter	x1
50Pin FFC Extension Cable	x1

Compliance & Logistics

HSCODE	8524999010
USHSCODE	8524119000
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/7-3inch-Six-Color-eInk-ePaper-Display-with-800x480-Pixels-p-6567.html>
- [7.3" E6 eInk Display module Datasheet](#)
- [PCN-ePaper Display Series Upgrade v1.0.pdf](#)

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