seeed studio

INDUSTRIAL PRODUCT DATASHEET

13.3" spectra™ 6 E-Ink / ePaper Display with 1200x1600 Pixels, SPI interface, Support XIAO/Arduino

13.3" spectra™ 6 E-Ink / ePaper Display with 1200x1600 pixels, SPI interface, and XIAO/Arduino support—ultra-low power, six-color Spectra™ 6 technology for applications including reading equipment, retail shelf labels, conference room...

SKU	UPDATED	PRICE
100088646	2026-10-23 01:02:58	$149.00(Excl. VAT)



Overview



The 13.3" spectra™ 6 E-Ink / ePaper Display with 1200x1600 pixels and SPI interface supports XIAO/Arduino, featuring vibrant six-color Spectra™ 6 technology and ultra-low power consumption. It is plug-and-play with the XIAO ePaper Driver Board EE02 and 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.
- **Plug&Play with XIAO ePaper Driver Board:** Optimized for the **XIAO ePaper Display Board EE02**, powered by the **XIAO ESP32-S3 Plus**, featuring a reserved battery connector and user button to accelerate 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.

Seamless Setup and Customization for Your ePaper Display

This ePaper display is designed to work seamlessly with any standard 60-pin driver board. We recommend the **XIAO ePaper Display Board EE02**, which will be available soon.

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 Microcups® 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





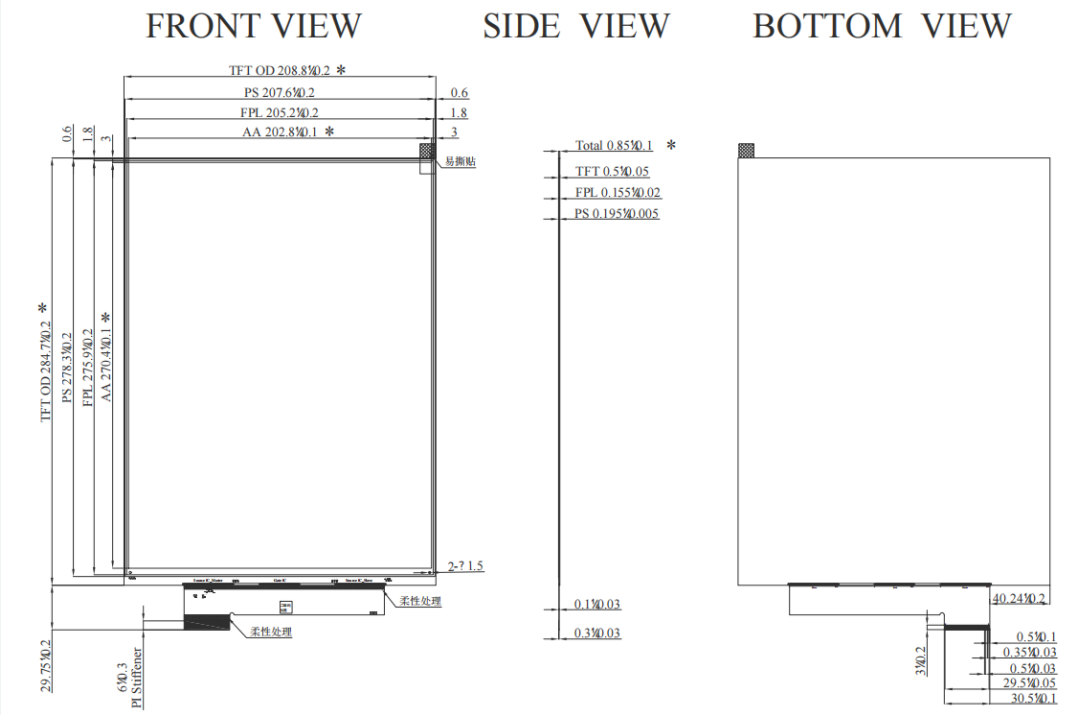




Specification

Parameter	Description
Type	Dot Matrix
Size	13.3 inch
Active Area(mm)	202.8 (H) x 270.4 (V)
Resolution	1200(H) x 1600(V)
Pixel Pitch(mm)	0.169 x 0.169
Display Color	Black, White, Yellow, Red, Green and Blue
Interface	SPI
Connector	60 Pin FPC, 0.5mm Pitch
Driver Mode	Support XIAO/Arduino/MicroPython
Drawing	Support GUI Drawing
Outline Dimension(mm)	208.8 (H) x 284.7 (V) x 0.85(D)
Weight(g)	50 ± 10

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		√	√
		250×122			√
		212x104		√	
		296x128			
		296x128		√	√
		296x128			√
		400x300		√	
		800x480			√
		648x480		√	
		800x480			√
		800x480		√	√
		1404×1872		√	√
		1600x1200			√

Part List

13.3-inch spectra™ 6 ePaper Display	×1
60Pin Adapter	×1
60Pin FFC Extension Cable	×1

Compliance & Logistics

HSCODE	8524999010
USHSCODE	8524119000
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/13-3inch-Six-Color-eInk-ePaper-Display-with-1200x1600-Pixels-p-6569.html
- 13.3" E6 eInk Display module Datasheet
- PCN-ePaper Display Series Upgrade v1.0.pdf

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