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INDUSTRIAL PRODUCT DATASHEET

5.65" Seven-Color eInk / ePaper Display with 600x448 Pixels, SPI interface, Support XIAO/Arduino/STM32

5.65" Seven-Color eInk / ePaper Display with 600x448 Pixels, SPI interface, Support XIAO/Arduino/STM32 delivering vivid seven-color visuals, ultra-low power, and bi-stable readability for diverse electronic display applications.

SKU	UPDATED	PRICE
104990859	2026-10-09 08:19:24	$49.95(Excl. VAT)



Overview



The 5.65" Seven-Color eInk / ePaper Display with 600x448 Pixels, SPI interface, Support XIAO/Arduino/STM32 showcases Black, White, Yellow, Red, Blue, Green and Orange colors with enhanced contrast, a viewing angle greater than 170 degrees, and ultra-low power consumption below 0.003mW in standby mode. It features bi-stable operation that retains images without power and ultra-reflective properties for easy readability in various lighting, suited for applications like reading equipment, mobile devices, electronic tags and price tags, smart wearables, electronic shelf labels, and smart cards.

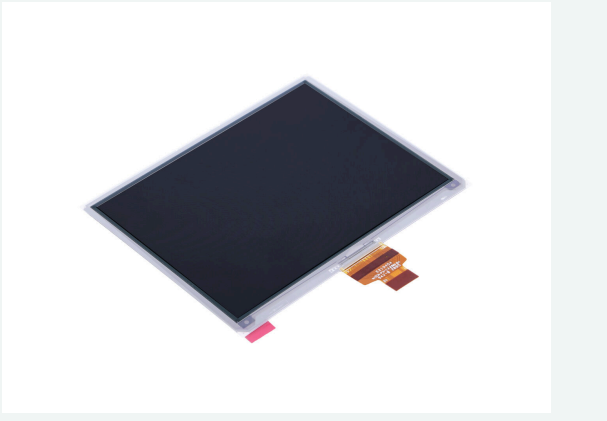
Key Features

- **Vibrant Display:** Showcase Black, White, Yellow, Red, Blue, Green and Orange colors, resulting in striking visuals and clear information.
- **Enhanced Contrast:** Ensures that images and text stand out sharply, making it perfect for effectively conveying information.
- **Wide Viewing Angle:** Greater than 170 degree, unaffected by light direction.
- **Ultra Low Power Consumption:** Consumes minimal power, standby mode below 0.003mW
- **Bi-stable and Ultra-Reflective:** Operating in a bi-stable manner, it retains images without power consumption, while its ultra-reflective properties ensure easy readability even in different lighting conditions.

Product Gallery









Specification

Parameters	Details
Model No.	GDEP0565D90
Type	Dot Matrix
Size	5.65 inch
Active Area(mm)	114.9 x 85.8
Resolution	600 x 448 pixels
Pixel Pitch(mm)	0.1915 x 0.1915
Display Color	Black, White, Yellow, Red, Blue, Green and Orange
Full Refresh Time	22s
Interface	SPI
Connector	24 Pin PFC, 0.5mm Pitch
Viewing Angle	>170°
Operating Voltage	3.3V
Operating Temperature	15-35°C
Driver Mode	Support XIAO/STM32/Arduino/Micropthon
Drawing	Support GUI Drawing
Power Consumption	72.6mW (typ.)
Standby Consumption	0.66mW
Outline Dimension(mm)	125.4 x 99.5 x 0.91
Weight	3.2g

Applications

- **Reading equipment**
- **Mobile device**
- **Electronic tags and price tags**
- **Smart Wearables**
- **Electronic Shelf Labels**
- **Smart Card**

Part List

5.65" Seven-Color ePaper Display	×1

Compliance & Logistics

HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/5-65-Seven-Color-ePaper-Display-with-600x480-Pixels-p-5786.html
- GDEP0565D90 Arduino Sample Code.zip
- GDEP0565D90 Bitmap Conversion.pdf
- GDEP0565D90 ESP32 Sample Code.zip
- GDEP0565D90 ESP8266 Sample Code.zip
- GDEP0565D90 STM32 Sample Code.zip
- pdf
- PCN-ePaper Display Series EOL Notification.pdf

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