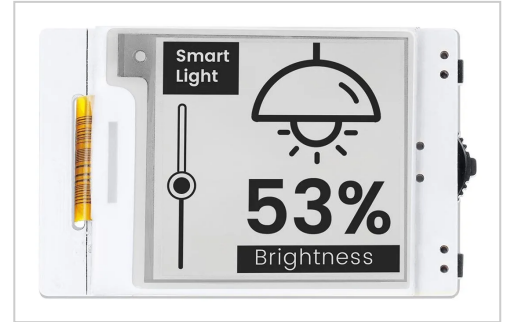




Elecrow CrowPanel E-Paper HMI Display, 1.54 inch, 152x152 resolution, ESP32-S3, SPI, black and white



Elecrow CrowPanel ESP32 1.54" E-paper HMI display with 152*152 resolution, black/white, SPI interface This CrowPanel ESP32 1.5"...

Product number DIE09154S

Weight 0.043kg

Product description

Elecrow CrowPanel ESP32 1.54" E-paper HMI display with 152*152 resolution, black/white, SPI interface

This CrowPanel ESP32 1.54-inch E-paper HMI display uses advanced display technology and offers an active matrix electrophoresis display. The anti-glare, hard-coated surface ensures that the content is clearly visible even in sunlight and mimics the appearance of paper.

The display offers a high resolution of 152*152, a black and white display and is suitable for various application scenarios. The built-in ESP32-S3 chip ensures stable performance and fast data transmission via the SPI interface. The design includes multiple interfaces and buttons, such as a BAT interface, UART0 interface, 2x10-pin GPIO interface, back button, home button and rotary switch, which facilitates development and operation. The white acrylic housing is not only visually appealing, but also protects the screen.

Thanks to its broad compatibility with Arduino IDE, ESP IDF and MicroPython, the display simplifies the development process. It offers ultra-wide viewing angle technology, extremely low power consumption and does not require a backlight. The content remains visible even after a power failure.

Features at a glance

- 1.54-inch e-paper display, 152*152 resolution, black and white, SPI interface
- ESP32-S3 as main chip, frequency up to 240 MHz
- Pure reflection display, without backlight, content remains visible in the event of a power failure
- Anti-glare, hard-coated display surface for clear visibility even in direct sunlight
- Extremely low power consumption and partial refresh function, saves energy
- Compatible with Arduino IDE, ESP IDF and MicroPython
- Full viewing angle technology, visible from any angle
- Rich interfaces and buttons (GPIO, UART, home button, etc.) for easy development

Technical specifications



- Size: 1.54 inch
- MCU: ESP32-S3, up to 240 MHz
- Flash: 8 MB
- PSRAM: 8 MB
- Material: Active Matrix Electrophoresis Display (AM EPD)
- Driver chip: SSD1680
- Resolution: 152*152 pixels
- Pixel size: 0.227*0.226
- Viewing angle: Full viewing angle
- Communication interface: 3-/4-wire SPI
- Interfaces: UART0x1, BATx1
- Buttons: Rotary switch, menu button, back button, reset button, boot button
- Development environment: Arduino IDE, ESP IDF, MicroPython
- Display colour: Black and white
- Update mode: Partial update (saves more energy)
- Operating voltage: 2.2~3.7V
- Housing: White acrylic housing
- Operating temperature: -0~50°C
- Storage temperature: -25~70°C
- Active area: 37.18(H)*48.32(L)

Other data

- Extremely low power consumption in standby mode and during updating

Scope of delivery

- 1x 1.54 inch e-paper display
- 1x USB cable

Product properties

Gross Weight (kg)	0.043
Country of Origin	China
Brand	Elecrow
Zolltarifnummer	90139080
Product ID	DIE09154S
Manufacturer ID	DIE09154S
EAN	4251266710592



More images

