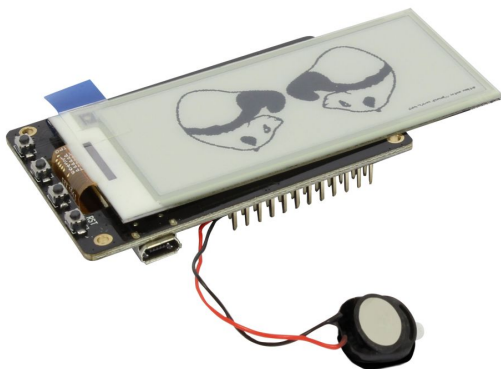


ALLNET 4duino IoT WLAN E-Paper Display black/white - ESP32 M

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EAN CODE



Highlights:

- 2,9 Zoll ePaper modul schwarz, weiß
- Auflösung: 296*128 pixel,
- MCU:ESP32 CPU mit integriertem WIFI
- Schnittstellen: SPI/SDIO oder I2C/UART
- Lautsprecher :8? 1W 15 X 10 X 3.6mm
- Micro-SD-Card-Slot
- Grove I2C
- Lithium-Batterie Schnittstelle, 500mA Ladestrom
- Batterieanschluss: PH-1.25mm
- Alle IO-pins laufen mit 3,3 V
- MCU: ESP32-D0WDQ06 ESP32 kann mit anderen Systemen verbunden werden, um Wi-Fi- und Bluetooth-Funktionalität über seine SPI / SDIO- oder I2C / UART-Schnittstellen bereitzustellen.
- Taktfrequenz (Max): 240 Mhz
- Flash: 4M bytes

• Overview

This is an E-paper display module, resolution with embedded controller, communicating via SPI interface, supports more color display.

Due to the advantages like ultra low power consumption, wide viewing angle, clear display without electricity, it is an ideal choice for applications such as shelf label, industrial instrument, and so on.

• Features

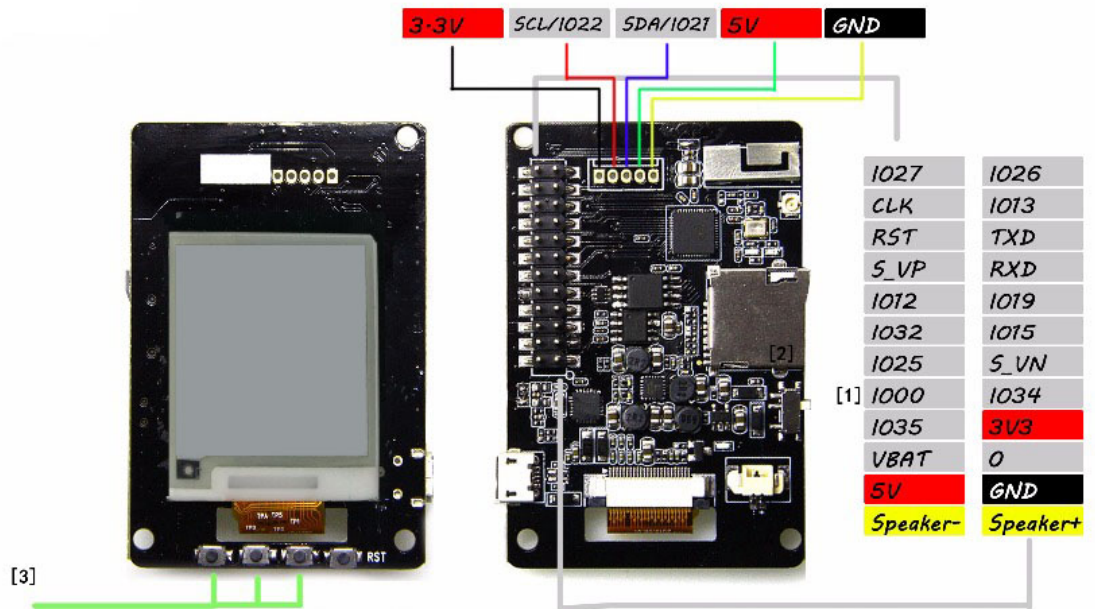
- No backlight, keeps displaying last content for a long time even when power down
- Ultra low power consumption, basically power is only required for refreshing
- Comes with development resources and manual (examples for Arduin-esp32)

• Specifications

- Operating voltage: 3.3V
- Interface: 3-wire SPI, 4-wire SPI
- Display color: yellow, black, white
- Grey level: 2
- Refresh power: 26.4mW(typ.)
- Standby power: <0.017mW
- Viewing angle: >170°

SYMBOL	DESCRIPTION
VCC	3.3V
GND	Ground
DIN	SPI MOSI pin
CLK	SPI SCK pin
CS	SPI chip selection, low active
DC	Data/Command selection (high for data, low for command)
RST	External reset, low active
BUSY	Busy status output, low ac

Pinout:



[1]: GPIO0

[2]: *DAT2* — *SD2-1012*
DAT3 — *SD3-CS-1013*
CMD — *CMD-MOSI-1015*
CLK — *CLK-SCK-1014*
DAT0 — *SD0-MISO-102*
DAT1 — *SD1-104*

[3]:

Button1 — *GPIO38*
Button2 — *GPIO37*
Button3 — *GPIO39*

