

4.3inch serial interface electronic paper display



Overview

This is a serial interface E-Ink display module, 4.3inch, 800×600 resolution, with embedded font libraries, ultra low power consumption.

You don't have to know anything about the complex underlying details of e-Paper, nor the specific algorithms of displaying graphics, texts, and images. All it needs is the serial interface, and all it matters is your creativity.

Features

- Easy to use, displays any contents via one serial interface, including geometric graphics, texts, and images
- Embedded font libraries, supports 32, 48 and 64 dot matrix GBK Chinese fonts and English fonts
- Built-in 128MB NandFlash, allows the font/image data to be stored in either an external TF card or the internal NandFlash
- 4 grey level displaying, 800×600 resolution
- Adjustable serial interface baud rate, 115200 by default when power up
- Powered from 3.3V to 5V, compatible with logic level
- Ultra low power consumption, sleeping current lower than 5mA
- Comes with host computer software, control it directly on your computer

Applications

- e book
- Shopping mall POS
- Price label
- Industry instrument

Pin Definitions

- VCC : 3.3V~5.5V
- GND : GND
- DOUT : Serial data out
- DIN : Serial data in

- WAKE_UP : External wake up
- RST : External reset

Limited by the hardware processing, it usually takes 1.5s to refresh each single frame image, therefore, this e-Paper is NOT capable of playing animations.

External Dimension



Development Resources

Wiki : www.waveshare.com/wiki/4.3inch_e-Paper