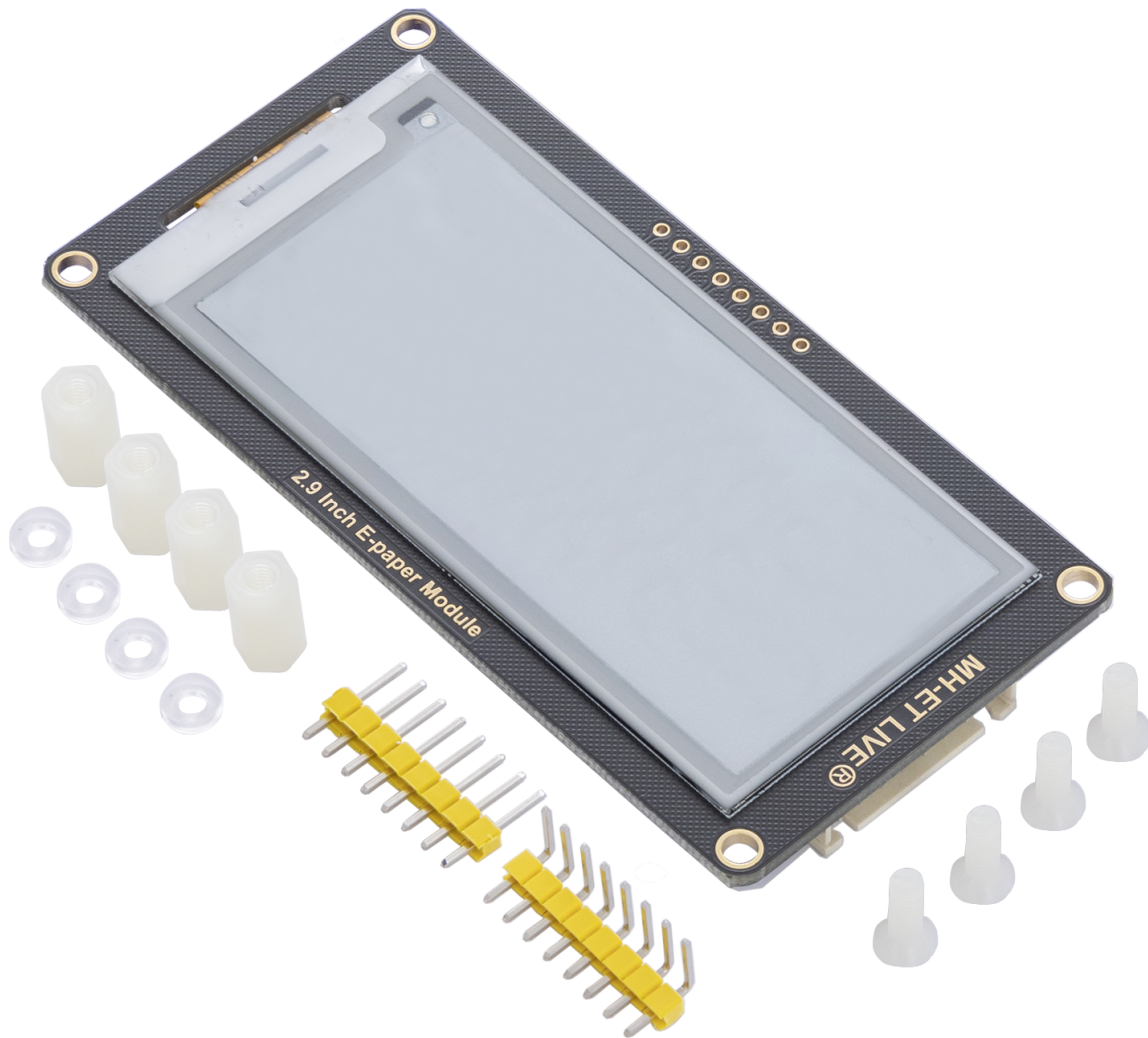


2.9 inch E-Paper Display

datasheet

# E-Paper Display Module

2.9 inch



## **2.9 inch E-Paper Display**

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### Introduction

2.9 Inch E-Paper Module is an E-Ink display module, 2.9inch, 296x128 resolution, with embedded controller, communicating via SPI interface, supports partial refresh. Due to the advantages like ultra low power consumption, wide viewing angle, great effect under sunlight, it is an ideal choice for applications such as shelf labels, industrial instruments, and so on.

There is no backlight so it can keep displaying the last content for a long time even when powered down. One highlighted feature of this module is ultra low power consumption. Basically power is only required for refreshing.

### Specifications

Operating voltage	3.3V/5V
Interface	SPI
Display size	79mm x 36.7mm
Dot pitch	0.227 x 0.226
Resolution	296 x 128
Display color	black white, red white
Connector	JST-XH 8 pin 2.54mm
Grey level	2
Full refresh time	15s
Refresh power	30mW (Typ.)
Standby current	<0.01uA
Viewing angle	> 170°

### Pin definition

Symbol	Description
VCC	3.3V/5V
GND	Ground
SDI	SPI MOSI pin
SCLK	SPI SCK pin
CS	SPI chip selection, low active
D/C	Data/Command selection (high for data, low for command)
RST	External reset, low active
BUSY	Busy status output, low active