

# EPM-680

## 13.3" ePaper Driving Module

NEW



### Features

- 13.3" ePaper panel display: EPM-680 for Black/White
- Data Interface: USB
- EPM-680 Support : Wide Range Temperature version in -15 to 65 °C in 1 bit color (Black and White)

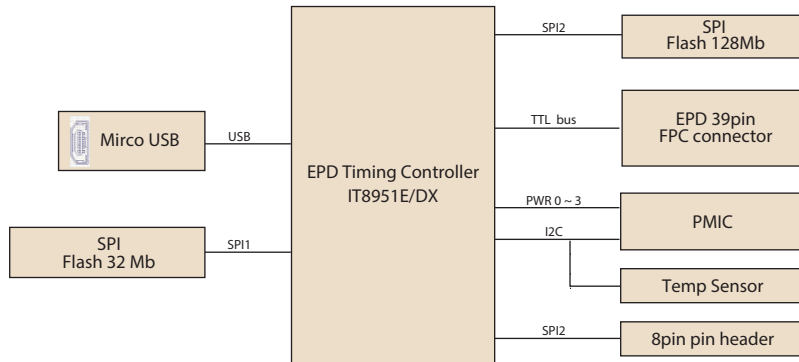
### Introduction

EPM-680 support 13.3" E ink ePaper driving and provide USB interface for data integration. System integrator can apply the ready driving module to design different application solution..

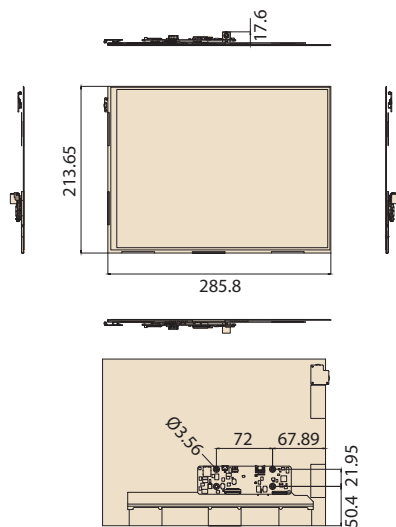
### Specifications

Display	Screen Size	285.8 x 213.65 mm	
	Resolution	1600 x 1200 pixels	
Storage	Internal	ITE SPI Flash: 32Mb	
I/O (on-board)	Micro USB (CN2)	USB to TCON (Timing Controller)	Interface for data to EPD
	EPD connector	39P for 13.3"	
Environment	Operational Temperature	Wide Range Temperature version in -15 to 65 °C in 1 bit color	
	Non-Operational Temp.	-25 ~ 60 °C (R/B/W) , -25 ~ 70 °C (B/W)	
	Assembly Temperature	10 ~ 40 °C	
	Operating Humidity	5 ~ 85% Relative Humidity, non-condensing	
Physical Characteristics	Dimensions (W x H)	Panel: 285.8 x 213.65 mm PCBA: 120 mm (L) x 36 mm (W)	
	Weight	Panel: 0.12g PCBA: 0.17g	

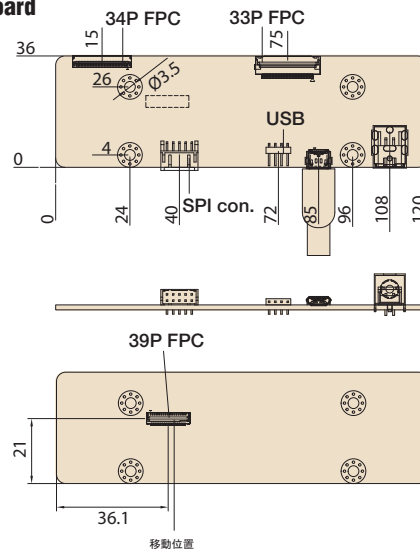
## Board Diagram



## Dimensions



### Control Board



## Ordering Information

Part No.	Description
EPM-680-102	13.3" Black/White ePaper module (wide range temperature)

## Optional Accessories

Part No.	Description
1700029192-01	With micro-USB connector in 5 V/ 2A

## Packing List

Model Name	Part No.	Description
EPM-680	EPM-680-102	1. 13.3" Black/White ePaper 2. ePaper Control Board

- \* All E Ink Panel inspection criteria refer to E Ink CAS & Inspection standard document.
- \* Note: E Ink Recommend condition for storage:  
Temperature: 20 +10 degree C  
Humidity : 60% RH+10%RH, Non-condensing
- \* Note: If panel module has been put in low temperature between 0--25 degree C for a while, we recommend leaving it between 20 to 30 degree C for 4 days before assembly.