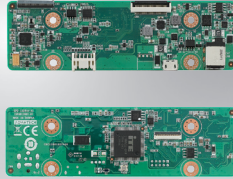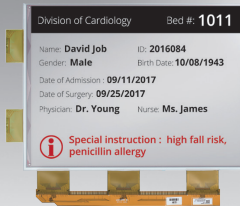# EPM-660,EPM-662   13.3" ePaper Driving Module

NEW

Features

- 13.3" ePaper panel display: EPM-662 for Red/Black/White, EPM-660 for Black/White

- Data Interface: USB

- Supports operation temperatures of 0 ~ 40 °C (Red/Black/White), 0 ~ 50 °C (Black/White)

- EPM-660 Support : Wide Range Temperature version in -15 to 65 °C in 1 bit color (Black and White)
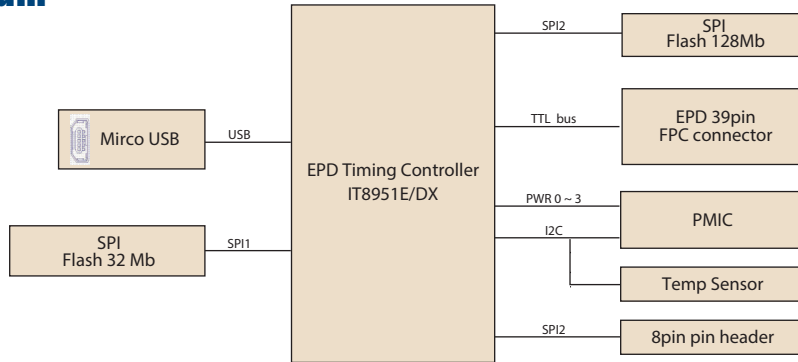
Introduction

EPM-660,EPM662 support 13.3" E ink ePaper driving and provide USB interface for data integration. Partner can apply the ready divining module to design their own EPD device for different application.
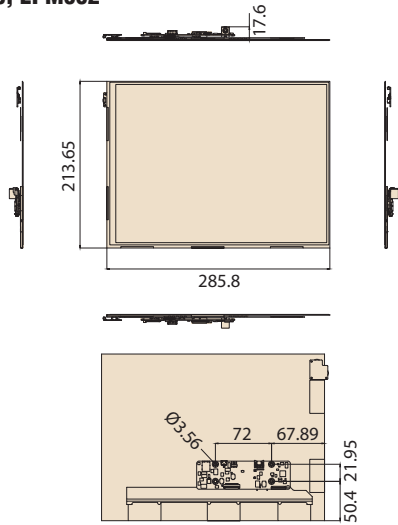
Specifications

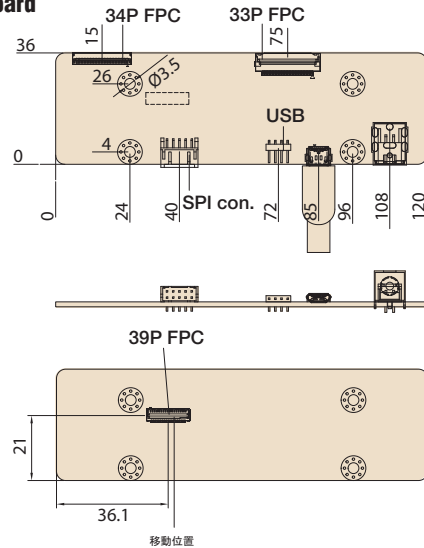|			
Display	Screen Size	285.8 x 213.65 mm	
	Resolution	1600 x 1200 pixels	
Storage	Internal	ITE SPI Flash: 32Mb	
	External	-	
I/O (on-board)	SPI	8pin Pin Header	
	Micro USB (CN2)	USB to TCON (Timing Controller)	Interface for data to EPD
	EPD connector	39P for 13.3" (R/B/W or B/W) & 9.7" EPD (R/B/W)	
Power	DC 5V	Micro USB (CN2) up to 0.9A/4.5 W in USB3.0 host Micro USB (CN3) up to 2A/10 W	Data transmission mode with power supply
Environment	Operational Temperature	0 ~ 40 °C (R/B/W), 0 ~ 50 °C (B/W), 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

EPM-660, EPM662

285.8
213.65
17.6
Ø3.56
72 67.89
50.4 21.95

Control Board

34P FPC 33P FPC
36
15 75
26 Ø3.5
USB
0
4
24 40 72 85 96 108 120
SPI con.

39P FPC
21
36.1
移動位置

Ordering Information

Part No.	Description
EPM-660-101	13.3" Black/White ePaper module (wide range temperature)
EPM-662-101	13.3" Red/Black/White ePaper module

Optional Accessories

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

Packing List

Model Name	Part No.	Description
EPM-660	EPM-660-101	1. 13.3" Black/White ePaper 2. ePaper Control Board
EPM-662	EPM-662-101	1. 13.3" Red/Black/White ePaper 2. ePaper Control Board

* All Eink Panel inspection criteria refer to Eink 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.