

EPM-880

31.2" ePaper Display Driving Board



Features

- 31.2" ePaper panel display: 16-levels gray scale in normal temperature. 1 bit color in wide range temperature
- Supports operation temperatures from 0 to 50 °C (16-level gray scale)
- Supports wide range temperature from -15 to 65 °C (1 bit color)
- Supports ultra-wide viewing angle
- Ultra-low power consumption

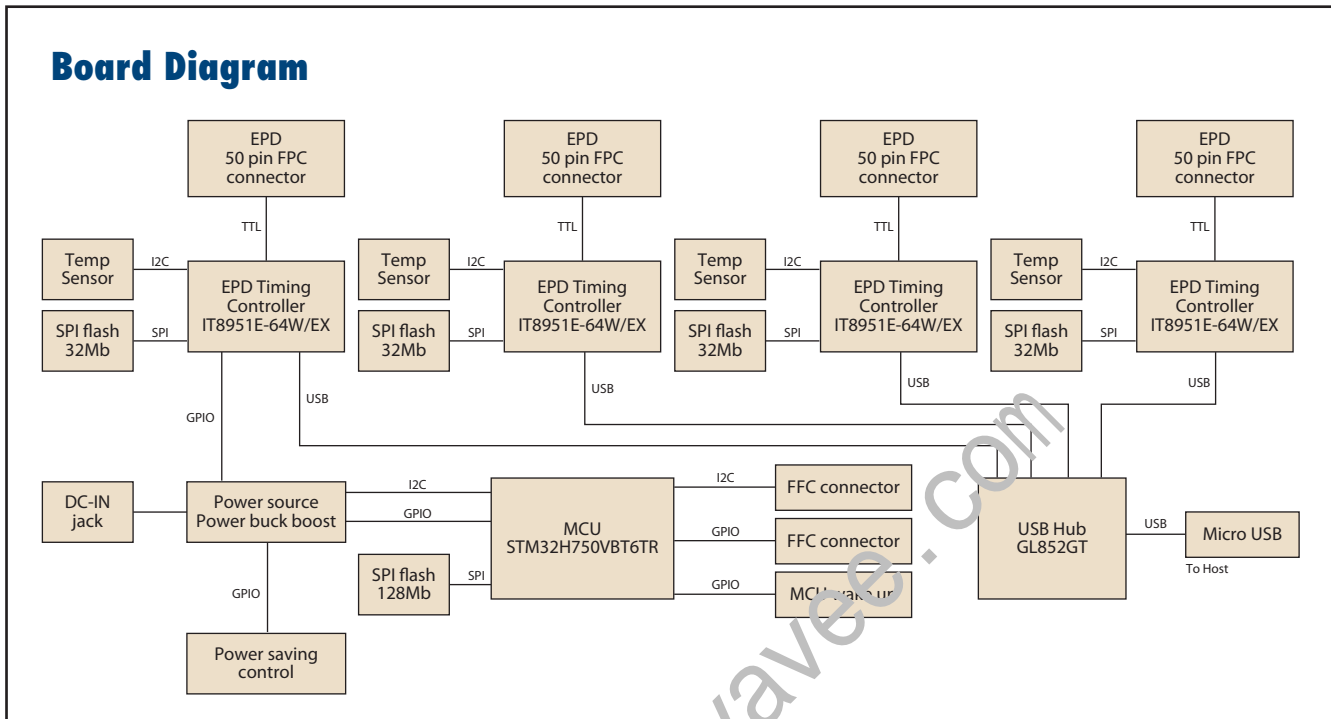
Introduction

EPM-880 the ultra-low power design integrated with 31.2" B/W EPD. This module supports smart bullet board, hospital, factory, warehouse, bus stop, and retail applications.

EPM-880 Specifications (for EPD Driving Board only)

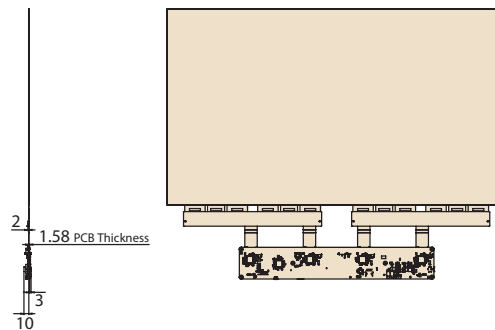
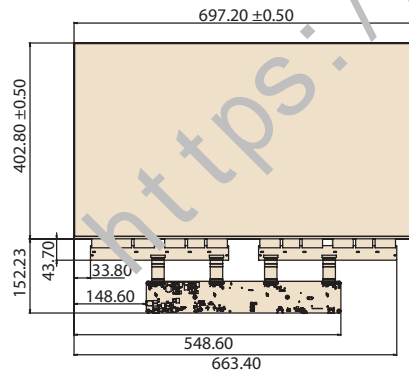
Display	Screen Size	697.2(H) × 402.8(V) mm
	Resolution	2560 x 1440 pixels for 16 gray level
I/O (on-board)	Power connector	
	USB	USB for host control
	EPD connector	50P for ePaper connector
Power	DC 12V	
	Power consumption	System change 1pc image: spend 276mA on driving board, -System stay power saving mode: spend 39 mA on driving board
Environment	Operational Temperature	-50 °C (B/W) Wide Range Temperature version in -15 to 65 °C in 1 bits color
	Non-Operational Temp.	-25 ~ 70 °C (B/W)
	Assembly Temperature	10 ~ 40 °C
	Operating Humidity	5 ~ 85% Relative Humidity, non-condensing
Physical Characteristics	Dimensions (W x H)	PCBA: 400 x 65mm
	Weight	5.3kg

Board Diagram

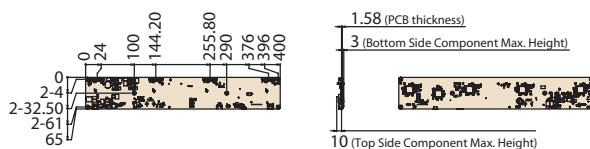


Dimensions

EPD MODULE WITH EPD BOARD



EPD BOARD



FFC CABLE (PN:1700031315-01)



Ordering Information

Part No.	Description
EPM-880-101	31.2" 16 gray level ePaper driving board module

Packing List

Model Name	Part No.	Description
EPM-880	EPM-880-101	EPD control board x 1pc, Adaptor x 1pc

- * 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.

Optional Accessories

Part No.	Description
96PSA-A36W12R1	ADP A/D 100-240V 36W 12V