

EPD-870, EPD-880

31.2" ePaper Device with USB and 4G/LTE



Features

- MIPS QCA 4531 650 MHz Processor
- 31.2" ePaper panel display: EPD-870, EPD-880 for 16-levels gray scale
- Supports operation temperatures of 0 ~ 50 °C (16-level gray scale)
- Wide range temperature from -15 to 65 °C
- Outdoor IP66 with OCR (UV cut & Explosion-proof glass)

Introduction

EPD-870, EPD-880 the ultra-low power design integrated with 31.2" B/W EPD in an ARM processor. The device can support hospital, factory, warehouse and retail applications. Advantech EPD-870, EPD-880 provides multiple interfaces for application control which are highly integrated with the EPD driver and offer a low power consumption system. The device supports the LAN and 4G/LTE in EPD-870. Data can be easily acquired and transformed into a different format to communicate with the ePaper Manager Server and then for other application services. System integrators can focus on application development and system management.

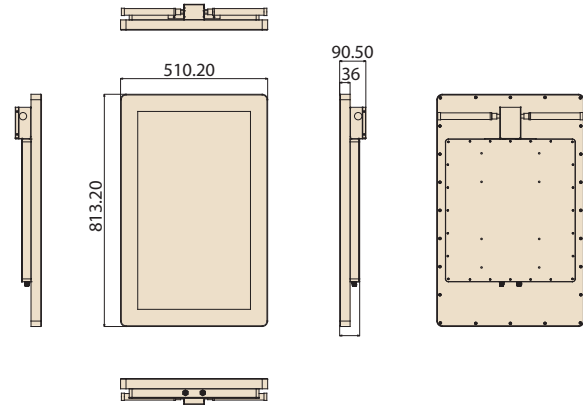
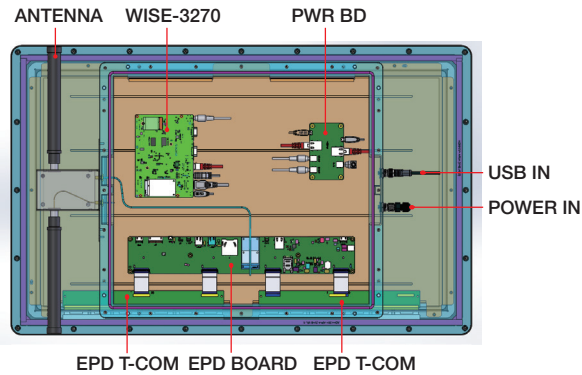
Specifications

Computing System	CPU	MIPS QCA 4531 650 MHz Processor, DDR2 128MB	
	Memory	16MB Boot code & 128MB OpenWRT	
Display	Screen Size	697.2(H) × 402.8(V) mm	
	Resolution	2560 x 1440 pixels for 16 gray level	
Environment	Operational Temperature	0 ~ 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	
Ethernet	WAN	1 x 10/100Mbps for WAN	
	LAN	1 x 10/100Mbps for LAN	
Connectivity	Wifi	IEEE 802.11b/g/n 2T2R	
	4G/LTE	AIW / EWM-C117FL06E	
Expansion	Mini PCIe	1 x full size mini PCIe module	
	USB x 1	USB 2.0	
Power	Power Supply Voltage	12V/5A	
	Power Type	DC-in	
	Power Consumption	-System change 1pc image: spend 276mA on EPM-880 driving board, -System stay power saving mode: spend 39 mA on EPM-880 driving board	
Environment	Operational Temperature	-15 ~ 65 °C	
	Non-Operational Temp.	-20 ~ 70 °C	
	Operating Humidity	5% ~ 95% Relative Humidity, non-condensing	
Housing Mechanical	Material Type	Metal (NCT) IP66 for Waterproof and dustproof	
	Painting Type	SECC+ Painting	
	Dimension	510 x 813 x 90 mm	
	Weight	15kg	
EPD and Cover Glass Lamination	OCR	UV cut & Explosion-proof glass	

Dimensions

EPD-870 with WISE-3220/3270
EPD-880 with USB interface for Data transmission

EPD-880 System Device Outlook



Ordering Information

Model Name	Part No.	Description
EPD-880	EPD-322B2BG-NQ001	31.2" 16 gray level ePaper device with USB interface for data transmission and IP66 outdoor solution
EPD-870	EPD-327B2BG-NQ001	31.2" 16 gray level ePaper device with 4G/LTE and IP66 outdoor solution

Packing List

Model Name	Part No.	Description
EPD-880	EPD-322B2BG-NQ001	31.2" ePaper device
	1700029192	USB cable x1pc
	96PSA-A36W12R1	ADP A/D 100-240V 36W 12V

Optional Accessories

Part No.	Description
1750008001-01	Antenna 2.4Ghz
196xxxxxxx	Mounting BKT

- * 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.