EPD-660, EPD-662 13.3" ePaper Wi-Fi Display Solution

NEW

Features

- ARM Cortex-M4 Core Processor
- Supports IEEE 802.11b/g/n
- 13.3" ePaper panel display: EPD-662 for red/black/white, EPD-660 for black/white (16 gray level)
- Multiple Control I/O: 5 buttons and 2 color LED
- Supports wide operating temperatures 0 ~ 40 °C; 32 ~ 105 °F (red/black/white), 0 ~ 50 °C; 32 ~ 122 °F(black/white without battery)
- High performance integrated system
- Supports upgrade over-the-air (OTA)
- Solution with WISE-3220 Wi-Fi AP and ARK DeviceOn/ePaper

Introduction

Advantech EPD-660 and EPD-662 ePaper solutions support 2.4GHz RF wireless protocols integrated within a 13.3" display solution with ARM Cortex-M4 processor. EPD-660 and EPD-662 support optimized power consumption and device management, delivering long battery lifetimes and a 2.4GHz Wi-Fi solution adaptable to diverse applications. These solutions offer multiple buttons and indicators for application control, and are integrated with RESTful APIs for DeviceOn/ePaper. They also support system integrator, yielding an effective, powerful solution.
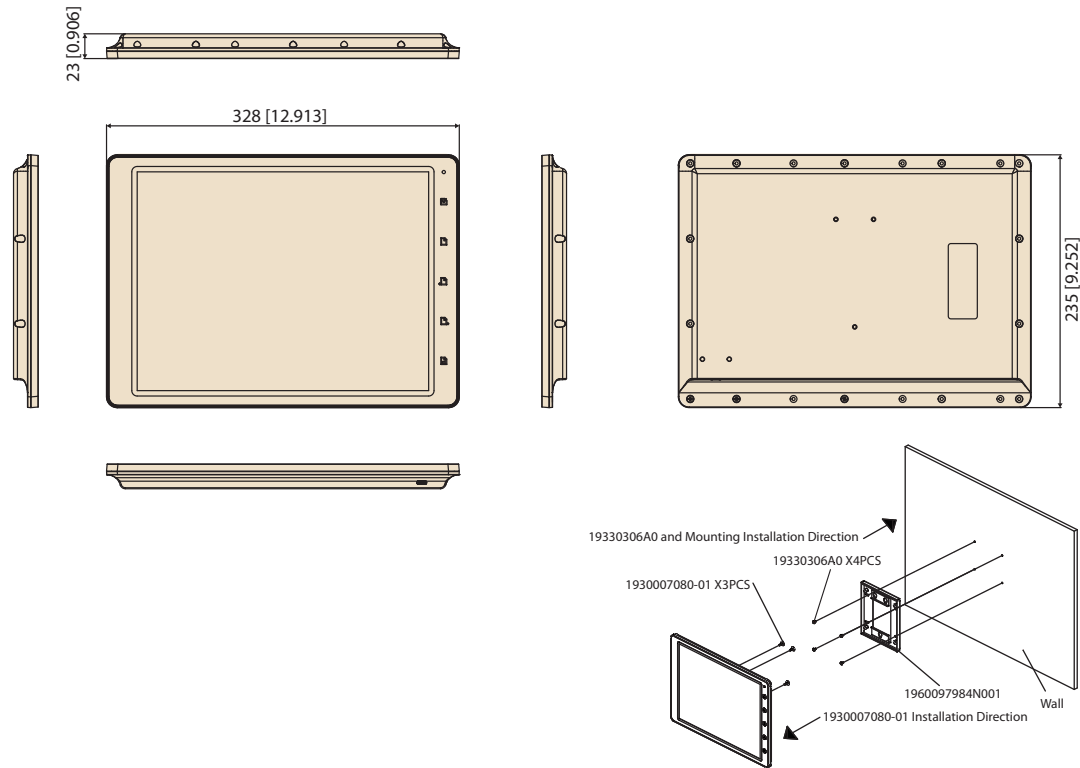
Specifications

ePaper Display	Screen Size	285 x 213 mm; 13.3 in
	Resolution	1600x1200 pixels
	Color	Black/white (16 gray level) or red/black/white
Wireless Network	Standard	IEEE 802.11b/g/n
	Frequency Band	2.4000~2.4840 GHz for Wi-Fi
System I/O	Function Button	SW reset/wake-up/HW reset button in reset hole
	Page Button	P1 next page P2 previous page P3 13th page for alarm P4 14th page for system information
	LED	Red (system alarm and charging)/green(data transmission and network connection)
Power		Li battery in 14100 mAh (Warranty 1 year) Charging in 10 ~ 35 °C;50 ~ 95 °F & discharging in 0 ~ 40 °C; 32 ~ 104 °F
		DC-in
Environment	Operational Temperature	0 ~ 40 °C; 32 ~ 104 °F (16 gray level & Red, black and white battery device), 0 ~ 40 °C; 32 ~ 104 °F (Red, black and white without battery device), 0~50 °C; 32 ~ 122 °F (16 gray level without battery device)
	Non-Operational Temp.	-10 ~ 60 °C; 14 ~ 140 °F without battery device (red, black and white), -10 ~ 60 °C; 14 ~ 140 °F without battery in 16 gray level, -10 ~ 50 °C; 14 ~ 122 °F with battery device
	Operating Humidity	5 ~ 80% relative humidity, non-condensing
Housing Mechanical (preliminary)	Material Type	Plastic housing with IP65 for waterproof and dustproof
	Dimension	235 x 328 x 23 mm; 9.25 x 12.9 x .9 in
	Weight	1.2 kg (2.2 lb) with battery, 0.9 kg (1.9 lb) without battery

Note:
- The channel frequency selection can be supported by further plan.
- EPD Data Report and Wakeup behavior duration can be adjusted by different scenario from RESTful API
- System bundles wireless modules; which need RED compliance

Dimensions

Unit: mm [inch]

23 [0.906]

328 [12.913]

235 [9.252]

19330306A0 and Mounting Installation Direction

19330306A0 X4PCS

1930007080-01 X3PCS

1960097984N001

Wall

1930007080-01 Installation Direction

Ordering Information

Model Name	Part No.	Description
EPD-660	EPD-660-002	13.3" 16 gray level ePaper Wi-Fi display device solution in 2.4G include battery
EPD-662	EPD-662-002	13.3" black/white/red ePaper Wi-Fi display device solution in 2.4G including battery
EPD-660	EPD-660-102	13.3" 16 gray level ePaper Wi-Fi display device solution in 2.4G without battery
EPD-662	EPD-662-102	13.3" black/white/red ePaper Wi-Fi display device solution in 2.4G without battery

Development Kit Ordering Information

	Part No.	Description
EPD device	EPD-662-102	13.3" red/black/white ePaper Wi-Fi display system device in 2.4G
	EPD-660-102	13.3" black/white ePaper Wi-Fi display system device in 2.4G
Router	WISE-3220IOS-21A1E	Wi-Fi AP and configuration router for EU
	WISE-3220IOS-21A1J	Wi-Fi AP and configuration router for JP
	WISE-3220IOS-21A1N	Wi-Fi AP and configuration router for NA
	WISE-3220IOS-21A1T	Wi-Fi AP and configuration router for TW
	WISE-3220IOS-21A1C	Wi-Fi AP and configuration router for China
ePaper Manager Server	ARK-1123H-EP2A2 for entry-level use	Ubuntu 18.4/128G SSD/8G RAM and build in ePaper Manager Software with 500 device licenses
	ARK-2250L-EP1A2 for enterprises	Ubuntu 18.4/1T HD/16G RAM and build in ePaper Manager Software with 500 device licenses

* Ordering EPD device, WISE-3220, and ARK ePaper Manager Server one each to try Advantech wireless EPD displayl solution

Packing List

Model Name	Part No.	Description
EPD-660	EPD-660-002	1. 13.3" black/white ePaper 2. ePaper device with battery 3. Type-C connector cable 100 cm (3.2 ft)
EPD-662	EPD-662-002	1. 13.3" red/black/white ePaper 2. ePaper device with battery 3. Type-C connector cable 100 cm (3.2 ft)
EPD-660	EPD-660-102	1. 13.3" black/white ePaper 2. ePaper device with battery 3. Type-C connector cable 100 cm (3.2 ft)
EPD-662	EPD-662-102	1. 13.3" red/black/white ePaper 2. ePaper device with battery 3. Type-C connector cable 100 cm (3.2 ft)

* All Eink Panel inspection criteria refer to Eink CAS & Inspection standard document.

Optional Accessories

Model Name	Description
1960097983N001	ID stand white
1960097984N001	ID mounting bracket
1930001024	Screw for stand bracket
19330306A0	Screw for mounting bracket
1930007080-01	Screw for EPD
1960099319N001	Type C plug bracket
1930005541	Screw for type-C bracket