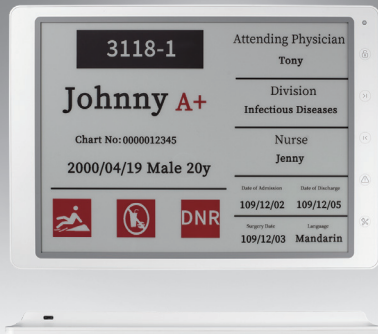


EPD-660, EPD-662 Device

13.3" ePaper Wifi Display Device

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 operation temperatures of 0 ~ 40 °C (Red/Black/White), 0 ~ 50 °C (Black/White without battery)
- High performance integrated system
- Supports over-the-air upgrade (OTA)
- Solution with WISE-3220 Wi-Fi AP & ARK ePaper Manager Server

Introduction

EPD-660, EPD-662 supports the ultra-low power 2.4GHz RF wireless protocol integrated with 13.3" R/B/W, B/W EPD in an ARM Cortex-M4 processor. The module can support hospital, factory, warehouse and retail applications. With optimized power consumption and device management, your applications with low data rate requirements will benefit from long battery lifetimes across hundreds of device connections.

Advantech EPD-660, EPD-662 provides multiple interfaces for application control which are highly integrated with the EPD driver and offer a low power consumption system. The model supports the WIFI software stack protocol, which can easily configure and then join the network. 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

ePaper Display	Screen Size	285.8 x 213.65 mm	
	Resolution	1600 x 1200 pixels	
	Color	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 35 °C & Discharging in 40°C	DC-in
Environment	Operational Temperature	0 ~ 40 °C (16 gray level & Red, black and white battery device), 0 ~ 40 °C (Red, black and white without battery device), 0~50 °C (16 gray level without battery device)	
	Non-Operational Temp.	-25 ~ 60 °C without battery device (Red, black and white), -25 ~ 70 °C without battery in 16 gray level, -20~ 50 °C 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	
	Weight	1 KG include Battery	

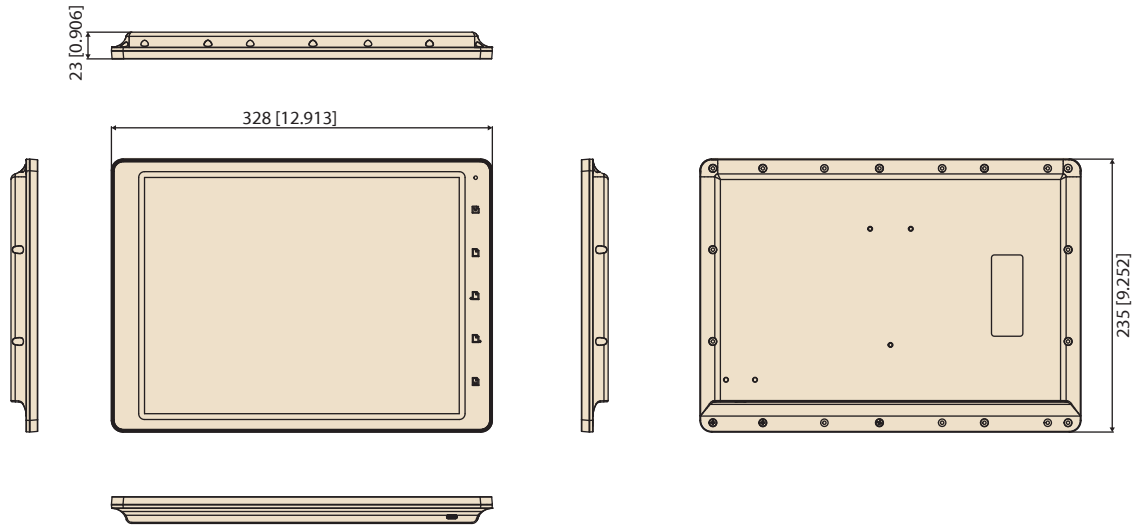
Note:

- 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

EPD-660, EPD-662 Device

Dimensions

Unit: mm [inch]



Ordering Information

Model Name	Part No.	Description
EPD-660	EPD-132B3AG-NSD01	13.3" 16 gray level ePaper Wi-Fi display device solution in 2.4G include battery
EPD-662	EPD-132R3AG-NSD01	13.3" Black/White/Red ePaper Wi-Fi display device solution in 2.4G include battery
EPD-660	EPD-132B3AG-NSD11	13.3" 16 gray level ePaper Wi-Fi display device solution in 2.4G without battery
EPD-662	EPD-132R3AG-NSD11	13.3" Black/White/Red ePaper Wi-Fi display device solution in 2.4G without battery

Packing List

Model Name	Part No.	Description
EPD-660	EPD-132B3AG-NSD01	1. 13.3" Black/White ePaper 2. ePaper Device with Battery 3. type-C connector cable for 100cm
EPD-662	EPD-132R3AG-NSD01	1. 13.3" Red/Black/White ePaper 2. ePaper Device with Battery 3. type-C connector cable for 100cm
EPD-660	EPD-132B3AG-NSD01	1. 13.3" Black/White ePaper 2. ePaper Device without Battery 3. type-C connector cable for 100cm
EPD-662	EPD-132R3AG-NSD01	1. 13.3" Red/Black/White ePaper 2. ePaper Device without Battery 3. type-C connector cable for 100cm

Development Kit Ordering Information

	Part No.	Description
EPD device	EPD-132R3AG-NSD01	13.3" Red/Black/White ePaper Wi-Fi display system device in 2.4G
	EPD-132B3AG-NSD01	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 ARK-2250L-EP1A2 for Enterprise	Ubuntu 18.4/1T HD/8G 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 display solution

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