

# WiFi E-ink Display Solution

## Smart Digital Signage, Simplified



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## Product Value

If you're looking for WiFi-enabled e-paper signage with long battery life, you've come to the right place.



## Product Value



WiFi Technology



E-ink Display



Cloud-based central  
management



Cord Free



1 year battery life



Remote Control

# How It Works?



Use our dedicated web-based software to update the device screens, which allows for customizing templates or uploading images

# Hardware



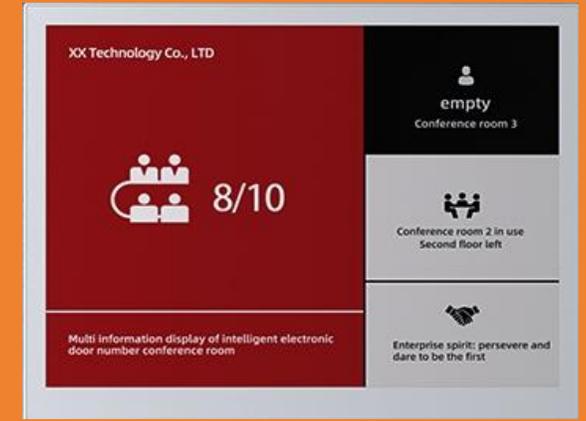
4.2"



7.5"



10.2"



13.3"



7.3" full color



13.3" full color

# Hardware Datasheet



4.2"

Product Model	DL0420WF
Dimensions (mm)	104.95*95.93*15.2 mm
Display technology	3-color e-ink display
Display area (mm)	84.6(H) * 63.4(V)
Resolution (pixels)	400*300
Display Size	4.2 inch
Display color	Black/White/Red
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	150 g
Battery capacity	AA*4
Power supply method	AA dry cell batteries
Battery life	1 year (4 updates per day)
Lights and buttons	1 x 3-color LED & 2 buttons & 1 reset button
Communication methods	WiFi b/g/n



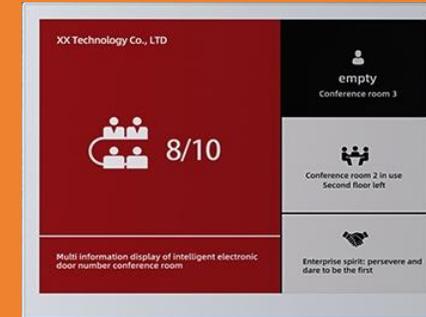
7.5"

Product Model	DL0750WF
Dimensions (mm)	180*130*13 mm
Display technology	3-color e-ink display
Display area (mm)	163.2(H) * 97.92(V)
Resolution (pixels)	800*480
Display Size	7.5 inch
Display color	Black/White/Red
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	200g
Battery capacity	3000mAh (rechargeable polymer battery)
Power supply method	Type-C port charging
Battery life	One charge lasts for a year
Lights and buttons	1 x 3-color LED & 1 button
Communication methods	WiFi b/g/n



10.2"

Product Model	DL1020WF
Dimensions (mm)	234.9*175.4*14.4 mm
Display technology	3-color e-ink display
Display area (mm)	215.5 (H) * 143.68 (V)
Resolution (pixels)	960*640
Display Size	10.2 inch
Display color	Black/White/Red
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	400g
Battery capacity	3000mAh (rechargeable polymer battery)
Power supply method	Type-C port charging
Battery life	One charge lasts for a year
Lights and buttons	1 x 3-color LED & 1 button
Communication methods	WiFi b/g/n



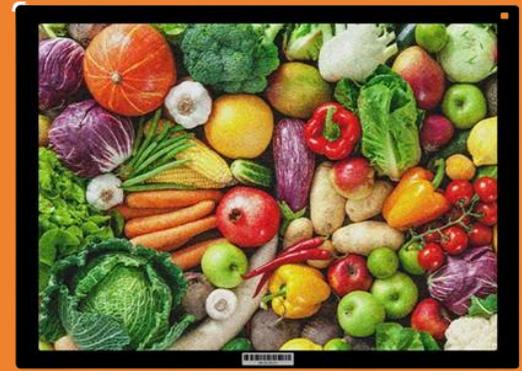
13.3"

Product Model	DL1330WF
Dimensions (mm)	298*232*13.8mm
Display technology	3-color e-ink display
Display area (mm)	275.52(H) * 195.16(V)
Resolution (pixels)	960*680
Display Size	13.3 inch
Display color	Black/White/Red
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	750g
Battery capacity	4000mAh (rechargeable polymer battery)
Power supply method	Type-C port charging
Battery life	One charge lasts for a year
Lights and buttons	1 x 3-color LED & 1 button
Communication methods	WiFi b/g/n



**7.3" full color**

Product Model	DL0730W6
Dimensions (mm)	180*130*13 mm
Display technology	E-Ink® Spectra 6 full color e-paper screen
Display area (mm)	163.2(H) * 97.92(V)
Resolution (pixels)	800*480
Display Size	7.3 inch
Display color	Black/White/Red/Yellow/Blue/Green
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	200g
Battery capacity	3000mAh (rechargeable polymer battery)
Power supply method	Type-C port charging
Battery life	One charge lasts for a year
Lights and buttons	1 x 3-color LED & 1 button
Communication methods	WiFi b/g/n



**13.3" full color**

Product Model	DL1330W6
Dimensions (mm)	298*232*13.8mm
Display technology	E-Ink® Spectra 6 full color e-paper screen
Display area (mm)	275.52(H) * 195.16(V)
Resolution (pixels)	1600*120
Display Size	13.3 inch
Display color	Black/White/Red/Yellow/Blue/Green
visual angle	180 °
Operating temperature	0 - 40°C
Product weight	750g
Battery capacity	4000mAh (rechargeable polymer battery)
Power supply method	Type-C port charging
Battery life	One charge lasts for a year
Lights and buttons	1 x 3-color LED & 1 button
Communication methods	WiFi b/g/n

# Hardware Features



Rechargeable battery  
1 year battery life



Suitable for various  
installation methods

# Communication Technology



Cloud-based  
central  
management



Private  
Communication  
Protocol Based on  
WiFi Technology

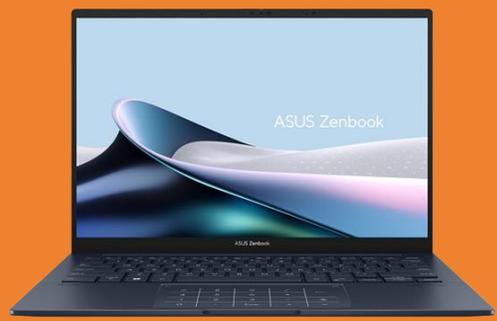


E-ink  
Display

WiFi E-ink Display  
Made for Retail Commercial Display  
Meeting Room Sign  
Logistics Label Display

# Technology Advantages

**Advantage 1**  
Zero Infrastructure---works with existing WiFi, no need base station



# Technology Advantages

## Advantage 2

Super low-power energy-saving algorithms enable the device to maintain long battery life

We use a smart, power-efficient algorithm. The device remains in a waiting state most of the time and only wakes up when it needs to send or receive data, which helps extend the battery life to 1 year on a single charge, eliminating maintenance worries.

# Technology Advantages

## Advantage 3

Persistent TCP connection for  
real-time updates

The device and server use a persistent TCP(Transmission Control Protocol) connection, allowing the server to proactively send commands to the device at any time.

# Technology Advantages

## Advantage 4

Secure and Stable

Your Data is Safe and Accurate

The software uses HTTPS protocol to encrypt all data in transit, protecting your sensitive information and ensuring its confidentiality, security, and tamper resistance.

# Web-Based Management Platform

## Software Features

- User-friendly, reduce your training costs and improve operational efficiency;
- Multilingual software supports English, Chinese, Japanese, Korean, Polish.
- With visual template editor for easy template creation;
- Users don't need to write code to create a template. Anyone who can use office can create a template.

## Software Functions

- Centralized multi-device management;
- Dashboard for overview;
- Meeting Management, Device Management, User Management, Template Management, Image Management, Tool Management, System Management and API Interface Management.
- The software allows for pushing images to display.

# Visual Template Editor



The template editor allows personalized editing and typesetting of graphics, images, text, number and QR code;

# Software Deployment

We offer flexible deployment solutions to meet your specific needs.

## Public Cloud (SaaS)

**Description:** We provide the management software as a service on our cloud platform. Customers can access it directly over the internet.

**Advantage:** Quickest setup with minimal IT overhead. We handle all maintenance, security.

**Ideal For:** Most customers, especially those who want a fast start, predictable subscription costs, and no internal IT burden.

## Private Cloud

**Description:** We deploy the management software on a cloud server managed and maintained by your own IT team.

**Advantage:** Full administrative control over the server and data.

**Ideal For:** Companies demand maximum control and is equipped to manage the cloud server.

## On-Premises

**Description:** The management software is installed and runs on physical servers located within your company's own data center.

**Advantage:** Maximum control and data sovereignty. All data remains entirely within your internal network.

**Ideal For:** Large enterprises with strong IT teams, strict data residency policies, or limited internet connectivity.

# Server configuration requirements for installing management software

**Keep your costs affordable. Our software is designed to be lightweight,  
reducing your server bill.**

Hardware: CPU 2 cores, memory 8G, hard disk 100G, can support 100+  
display

Operating system: linux or unix-like, Windows

We suggest a Linux-based server for its superior reliability and stability over Windows. This will minimize your server maintenance requirements and simplify long-term usage.

# Integration

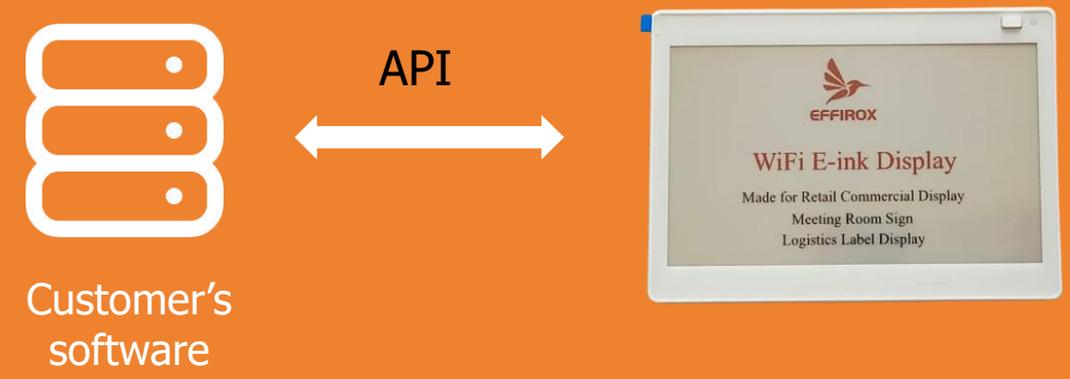
Software APIs: For connecting to your software



This method requires the customer to have development capabilities.  
Integration is achieved by calling our APIs.

# Integration

Hardware APIs: For customers who need to build their own management applications.



We provide a API document that allows your server to connect directly to our e-ink display. This means you can use your own software to send update commands to the display, eliminating the need for our software.

# Service

We're Here to Ensure Your Success



Brand  
Customization  
Services



Integration  
Assistance



Expert Technical  
Support



Remote Demo &  
Consultation

And More....

Server Setup

Firmware

Accessories

# Why Choose Us?



## **10 years of know-how**

10 years of focus on the R&D and production of low-power electronic paper display products



## **One stop service**

With hardware and software R&D teams, we provide one-stop services from R&D, design, production to after-sales



## **Well-known brands choose us**

More than 50 well-known domestic and foreign brands choose our products

# Ready to trying out our WiFi e-paper display solution?

1. Schedule a Video Meeting or send us an inquiry
2. Receive a Personalized Quote
3. Start with a Pilot Program

## Contact Information

### Effirox Technology Co., Ltd

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Scan the QR  
code to add  
WhatsApp