

Specifications

Model			EM32DX
Display	Diagonal Size		32
	Resolution		2,560 x 1,440(16:9)
	Orientation		Landscape/Portrait
	Active Display Area (mm)		696.32 (H) x 391.68 (V)
	Pixel Pitch (mm)		0.272 x 0.272
	Colors		6 colors (Red/Green/Blue/Yellow/White/Black) * Dithering for additional color support
	Operation Hour		24/7
Connectivity	INPUT	Data	USB-C 2.0 x 1 (Data Only)
		Power	USB-C x 1 (Power Only) RJ45 to USB type-C POE+ dongle compatible (Not included in the sales package)
	WiFi / BT		0 / 0
Mechanical Spec	Dimension (mm)	Set	727.3 x 422.7 x 179
		Package	877 x 482 x 57
	Weight (kg)	Set	2.3 (Excluding Battery)/2.4 (Including Battery)
		Package	4.2
	VESA Mount (mm)		200 x 200
	VESA Mount Screw (mm)		M4, 8-10
	Bezel Width (mm)		13.9 (U/B/L/R)
Design	Bezel Color		Grey White
Features	Internal Player	Operating System	Tizen 8.0
		Storage	8 GB
		Supported File Format	JPEG, JPG, PNG, BMP (No Video Supported)
	Special	H/W	3 button (Power/Control/BT Pairing) 3 LED Indicator (R/G/B) Kensington Lock
		S/W	Samsung E-Paper Mobile App (Android/iOS) VXT Support
Certification	Safety		60950-1 / 62368-1
	EMC		Class A
	IP Rating		IP5x
	Security		802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP WPA3-Personal
Power	Power Supply		AC100 - 240 V, 50/60 Hz
Operating Condition	Temperature (°C)		0~40
	Humidity (%)		30~70 , non-condensing
Accessories	Included		25W External USB-C Adapter USB-C Power Cable 4600mAh Li-ion Battery Rear Holders(2) / Hanging Brackets(2) Quick Setup Guide Warranty Card

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. Inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](https://news.samsung.com).

Color E-Paper

For more information about Samsung Color E-Paper, visit [www.samsung.com/business](https://www.samsung.com/business)

Copyright © 2025 Samsung Electronics Co., Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.  
129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea

2025-03



Color E-Paper

EMDX series

Paper to E-Paper, flexibility meets efficiency

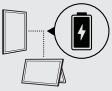
Introducing the Color E-Paper EMDX series, Samsung's next-generation product featuring paper-thin, lightweight displays with ultra-low power consumption. Equipped with a built-in battery and supported by a mobile app, it delivers paperlike picture quality without requiring additional infrastructure, digitizing the traditional paper experience. Moreover, 55% of the EMDX series' housing materials are made from recycled plastics, while its entire packaging—including the box, cushion, handle, and accessory box—is crafted from 100% paper, helping to reduce environmental impact. Revolutionize your displays by digitizing the traditional paper experience.

Key features



Paper-thin Design

With a paper-thin depth of just 17.9mm, it enhances various business spaces with unmatched elegance and aesthetically pleasing design.  
\* The EMDX series' packaging only includes rear holders (2) and hanging brackets (2). Other accessories for installation must be purchased separately.



Versatile Placement with Embedded Battery

A dedicated embedded battery with USB Type-C support is included in the EMDX series to deliver ultimate convenience with an easy-to-move, lightweight frame for effortless handling in indoor environments.  
\* The EMDX series' packaging only includes rear holders (2) and hanging brackets (2). Other accessories for installation must be purchased separately.



Energy Efficient Usage

It consumes next to no power when displaying a static image and only about 10W when refreshing an image. Once the supplied battery is fully charged, you can use the EMDX Series up to 500 days without an external power supply.  
\* Activities related to refreshing or changing content will require additional power.  
\* Image refreshing once every 3 days is required to protect panel cells and prevent ghosting.  
\* Screen flickering during the refresh or image change is normal due to the characteristics of EPD technology.  
\* Battery capacity of 4,700 mAh (typ.) lasts for up to 500 days when fully charged with the original Samsung charger and when changing the content once every three days.  
\* The power measurement is based on IEC62301 standards from the International Electrotechnical Commission. According to the standards, the average power below 0.005W is indicated as 0.00W.



Color Imaging Algorithm

With Samsung's display technology expertise, the EMDX series leverages advanced color imaging algorithm to analyze optimized content for paperlike visibility. Its reduced contour, smooth gradation, and enhanced colors can replace standard printouts like posters and point-of-purchase displays.  
\* EMDX series' color may gradually change from its initial state. This discoloration is a characteristic inherent to EPD technology.



Samsung E-Paper App

Available on Android and iOS mobile devices, the dedicated Samsung E-Paper App allows users to easily control the EMDX series locally.  
\* Samsung E-Paper App requires mobile device running Android 10 or later or iOS 15 or later.



Samsung VXT

Samsung VXT combines content and remote device management, allowing you to effortlessly manage hardware settings and troubleshoot issues while creating and deploying content.  
\* Samsung VXT must be purchased separately.