





\* All images are for illustrative purposes only.

## Interactive Digital Board TR3DQ

# Innovate, Collaborate, and Create with Seamless Technology, **LG CreateBoard**

-  Genuine Touch & Writing Experience
-  Security & Compatibility
-  Easy Connection & Sharing
-  Remote-control Services
-  Google EDLA
-  User Friendly Experience

### TR3DQ

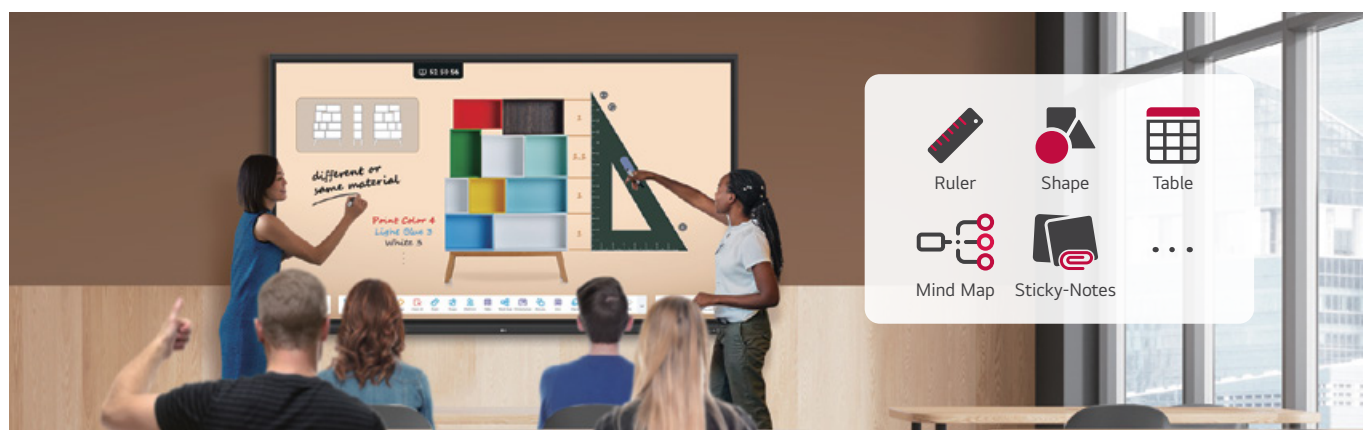
Display	Size	218.44 cm (86)
	Native Resolution	3,840 × 2,160 (UHD)
	Brightness (Typ.)	450 cd/m <sup>2</sup> (nits)
Touch	Multi-Touch Point	Max. 50 Points
Software	OS Ver.	Android 14 (EDLA)
Connectivity	Input	HDMI (3), DP RGB (VGA), Audio, RS-232C, RJ45 (LAN), USB Type-C (2), USB 3.0 Type-A (5), USB 2.0 Type-A
	Output	HDMI, Audio, Audio Optical (SPDIF), Touch USB (3), RJ45 (LAN)
Android System	CPU	Octa-core A73x4 +A53x4
	Memory (RAM)	8 GB
	Storage	64 GB

**Life's Good.**



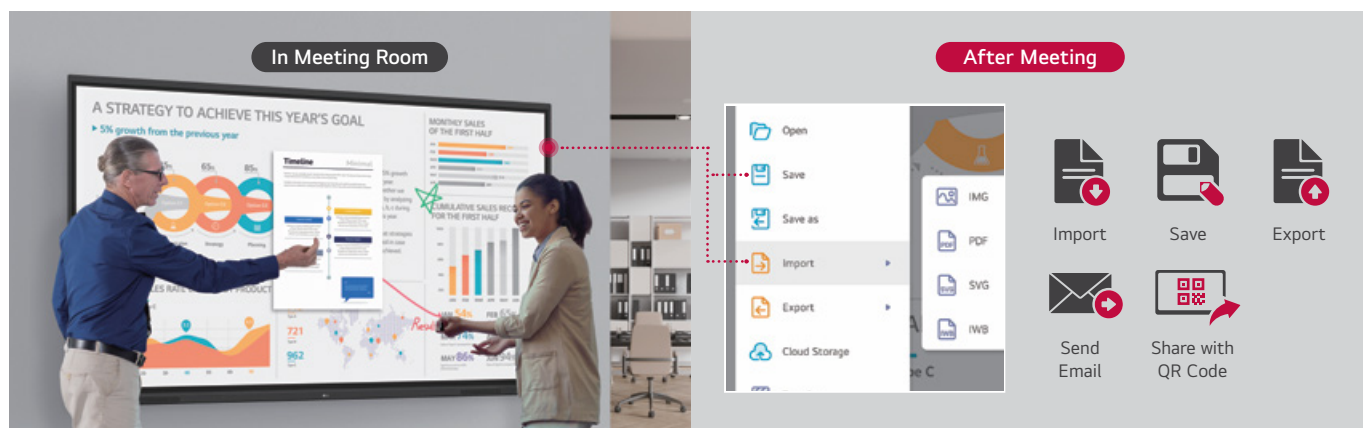
## Creative Whiteboard Solution

LG CreateBoard offers a lifelike touch experience, allowing users to interact with content directly on the board. You can write, draw, zoom, and rotate using just your fingers, making it an effective tool for creative projects or presentations. Additionally, LG CreateBoard enables screen and content sharing, making it an excellent tool for seamless collaboration even with remote team members.



## Various Teaching Templates

LG CreateBoard offers a variety of educational templates and tools such as a ruler, table, and sticky note, fostering active student participation and facilitating intuitive lessons.

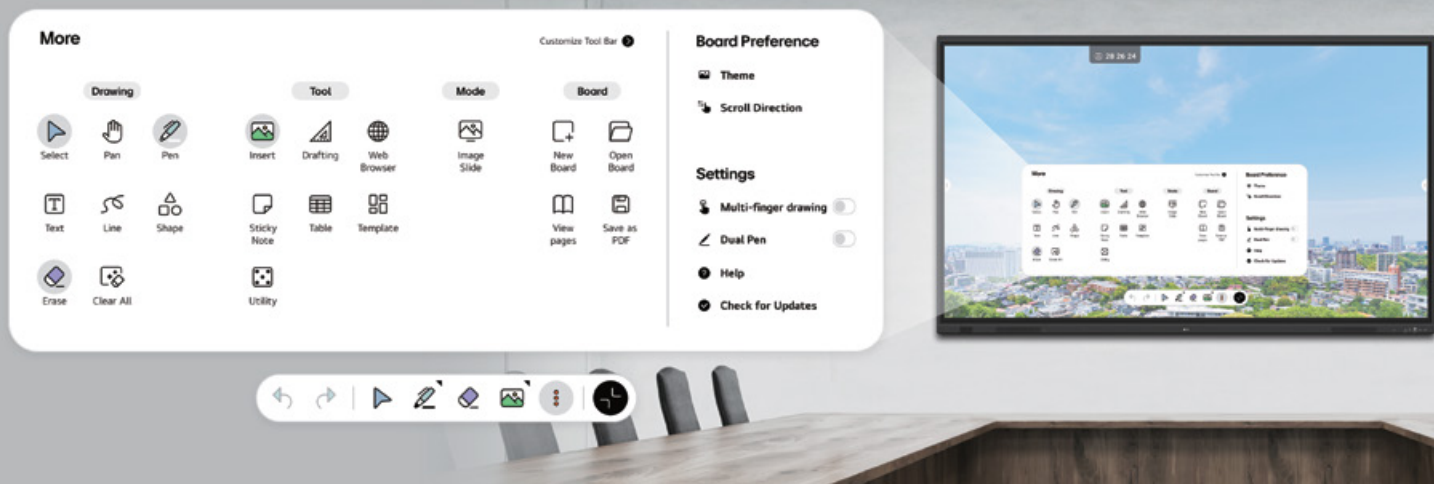


## Easy to Save / Import / Export

LG CreateBoard incorporates straightforward import and export features. Resources can be saved and directly imported to and from Google Drive or OneDrive. After meetings, you can directly send emails to share materials, or scan a QR code to transfer them to your personal device.

# LG CreateBoard Lab

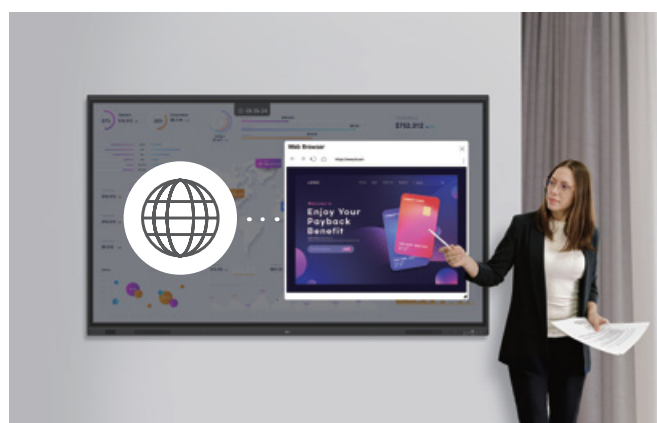
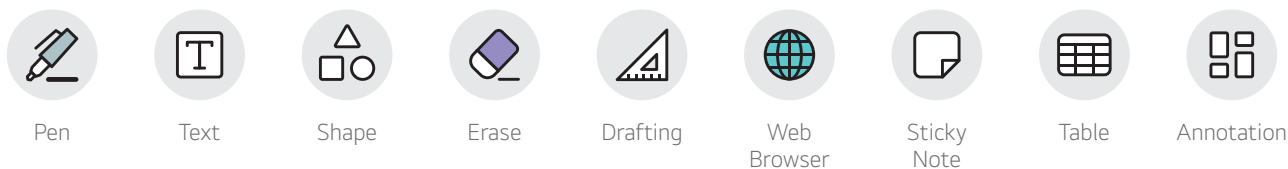
LG's proprietary whiteboarding software



## Tools for Fluid Discussion

A variety of tools such as a calculator, clock, and sticky note are available to facilitate smooth discussions and ensure seamless idea sharing and communication. Also, users can personalize the menu bar with their most frequently used tools, thereby improving their work efficiency.

The following features are included:



## Web Browser

When you need a reference during a discussion, you can access various online information in real time with the simple click of a web browser. The necessary information found on the internet can be easily dragged and dropped\* into the material you're creating, enhancing the productivity of your meetings.

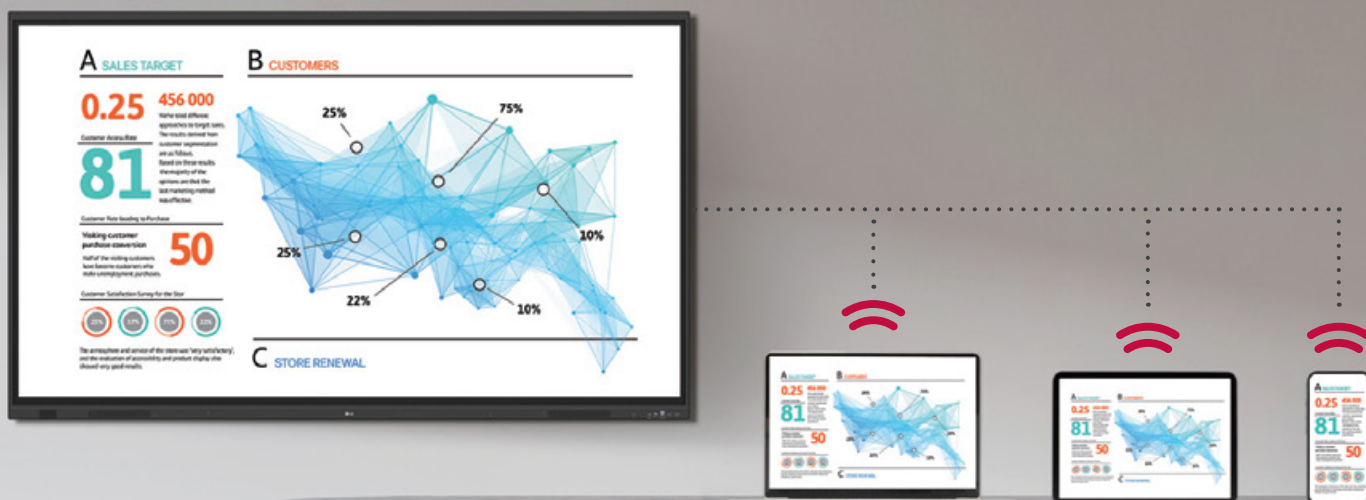
\* Users can drag and drop text, images, links, etc.



## Multi-OS Support

LG CreateBoard Lab\*\* offers multi-OS support\*, allowing users to utilize it not only with LG CreateBoard but also with other devices. This enables users to maintain a seamless experience on tablets, laptops, and various other devices, even outside the classroom.

\* Certain features may not be supported depending on the operating system.  
 \*\* LG CreateBoard Lab is compatible with Android, Windows, Chrome, and the Web.



## LG CreateBoard Share

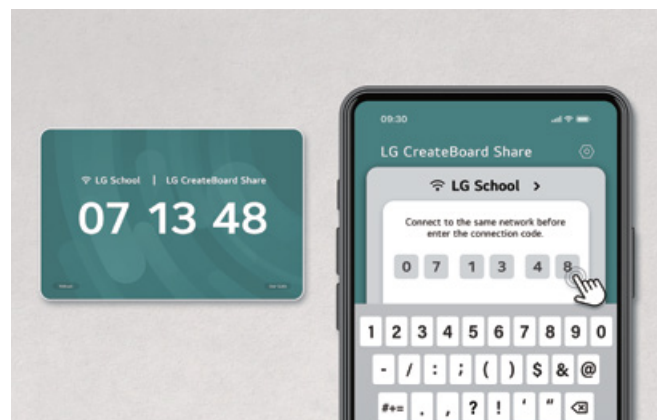
LG CreateBoard Share\* offers a wireless screen sharing feature, providing users with a flexible discussion environment. Users can share their screen from their own PC, tablet, or smartphone, simplifying the process of sharing and collaborating on team projects or presentation materials.

\* LG CreateBoard also supports app-less sharing for PC, tablet, or smartphone (via website) within the same network. For a more stable connection, we recommend the installation of a dedicated app (LG CreateBoard Share). LG CreateBoard Share app is compatible with Android 5.1 and higher, iOS 12.0 and higher, and MacOS 11.0 and higher.



## Wireless ScreenShare Feature for Seamless Meeting Environment

LG CreateBoard Share establishes a seamless and stable meeting room without the need for extra cables or connections. Presenters can now share their screens without the need to inconveniently move around and unplug and plug cables each time the presenter changes. With the capability to share up to 9 screens in real-time, it's possible to display multiple people's materials simultaneously when needed, thereby enhancing the efficiency of collaboration.



## Simple Connection to LG CreateBoard Share

Users can easily utilize the wireless screen sharing feature via LG CreateBoard Share app, and even without the app, they can still conveniently access this feature through the website. A quick connection to LG CreateBoard Share can be established by entering a 6-digit code.



## Presentation Convenience and Flexibility in Meeting Room

Wireless screen sharing empowers presenters to navigate freely within a meeting room, unencumbered by cables. This feature enables them to seamlessly control their presentations directly from their own devices. In addition, they can conveniently send photos and videos stored on their personal devices, enhancing the fluidity and richness of their presentations.



## Presentation Convenience and Flexibility in Classroom

In the classroom, the lecturer or presenter doesn't need to conduct the lesson near the LG CreateBoard, but can flexibly conduct the lesson from anywhere in the classroom. This promotes a more flexible classroom environment and can help keep students more focused.



## Secure Mode

LG CreateBoard Share supports Secure Mode, which allows users to grant permissions for sharing. Secure Mode prevents unauthorized users from sharing their screen.





## LG ConnectedCare DMS


LG ConnectedCare DMS\* is a cloud solution for remotely monitoring, controlling, and managing the status of LG CreateBoard installed in educational environments. This feature enables IT managers to operate and manage important resources on operating devices without physically visiting sites.


\* 'LG ConnectedCare DMS' needs to be purchased separately. The availability of the 'LG ConnectedCare DMS' service differs by region, so please contact the LG sales representative in your region for more details.


**The following features are included**

- 

Summary of connection status and device issues
- 

List of apps frequently used
- 

No response status, filtered by date (webOS, Android)
- 

Recent issue type
- 

Scheduling history for the previous 7 days

### Dashboard

The LG ConnectedCare dashboard allows you to view and monitor multiple devices at the same time, thereby saving time and boosting efficiency.

\* All images are for illustrative purposes only.



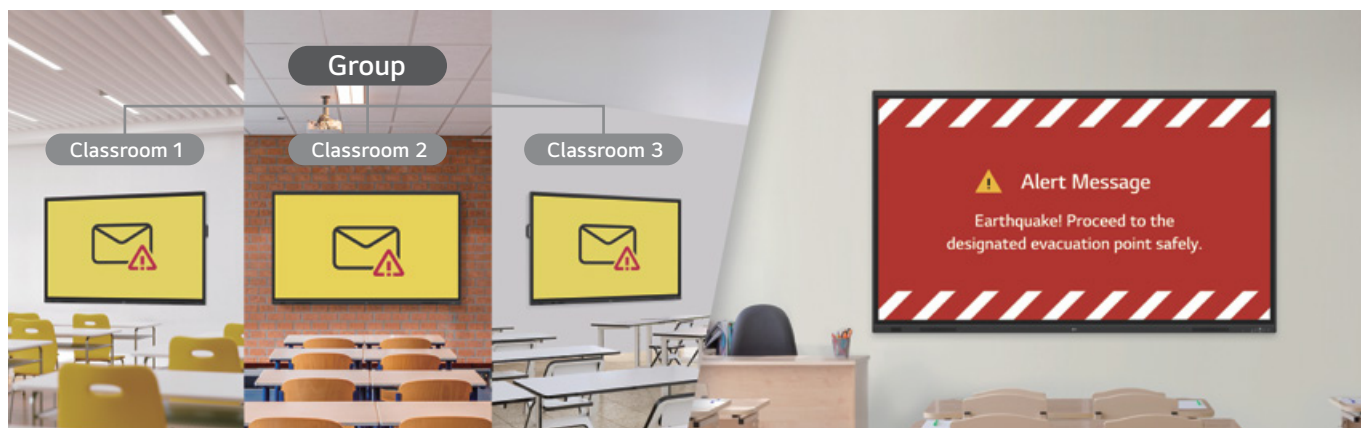
## Remote-control

The LG ConnectedCare enables centralized and simple control of digital signage connected to the system. Frequently used functions such as power on/off, scheduling and screen brightness adjustment can be applied remotely.



## Broadcasting

Messages and a range of other content can be sent from the main system to individual devices connected to LG ConnectedCare. Company events or announcements can be broadcasted remotely from the central system at once.



## Alert Message

In case of urgent occasions such as a fire or a natural disaster, alert messages can be distributed manually across the system, which help teachers and students to swiftly perceive the situation and promptly take safety action.

## Google Certification



### Google Certification

LG CreateBoard has received Google certification\*, enabling users to seamlessly integrate with the Google ecosystem by connecting their Google accounts\*\*.

\* Exceptions apply in countries without Google services.

\*\* A Google account is required to access the Google ecosystem.

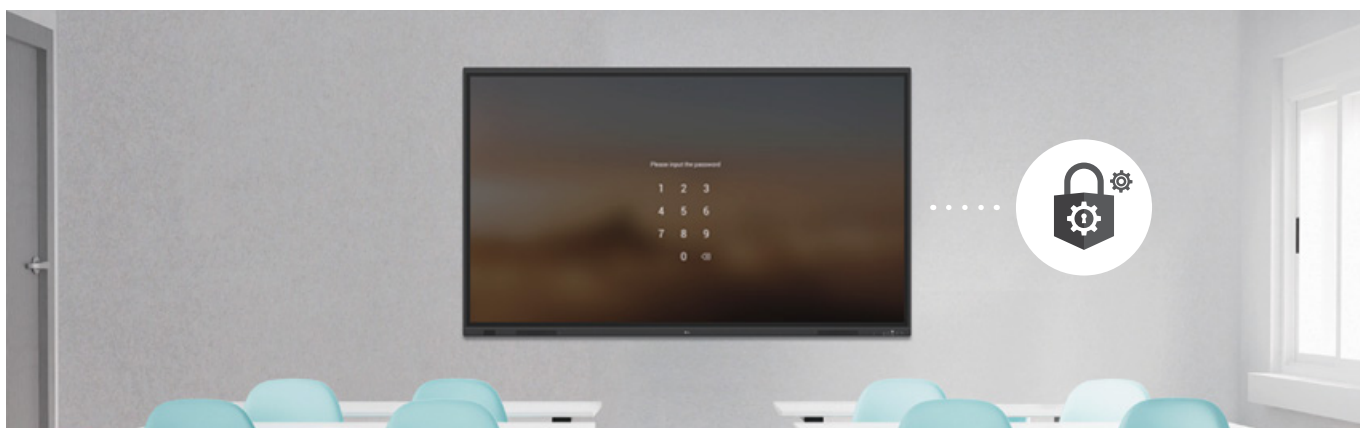


### Google Play Store

Users have access to the Google Play Store\*, where they can download a wide range of applications, including education related games, tools, and more for an expanded experience.

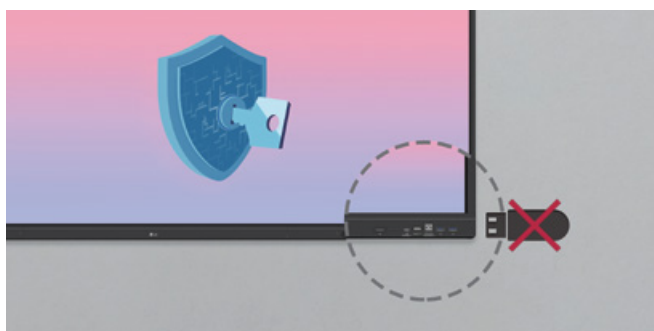
\* Exceptions apply in countries without Google services. A Google account is required to access the Google Play Store.

## Secure Functions



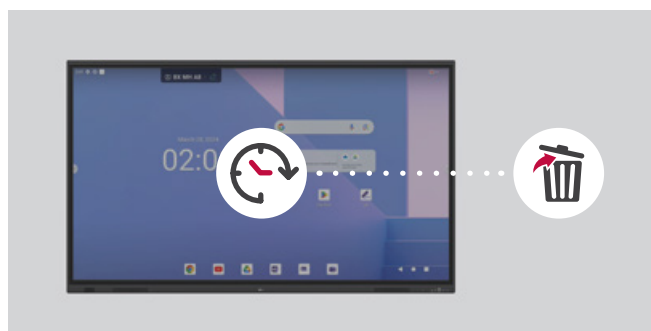
### Screen Lock

Users can lock the screen using the Screen Lock function, and unlock it by entering a password. This protective measure can be set up in the Settings menu, safeguarding the device from unauthorized access.



### USB Lock Mode

USB Lock Mode is a security measure that helps prevent data from being copied to unauthorized devices, which is essential when being used in spaces where security is critical.



### Auto-remove Files

Users can set LG CreateBoard to delete files regularly for enhanced security.

## Other Features



### Multi-touch

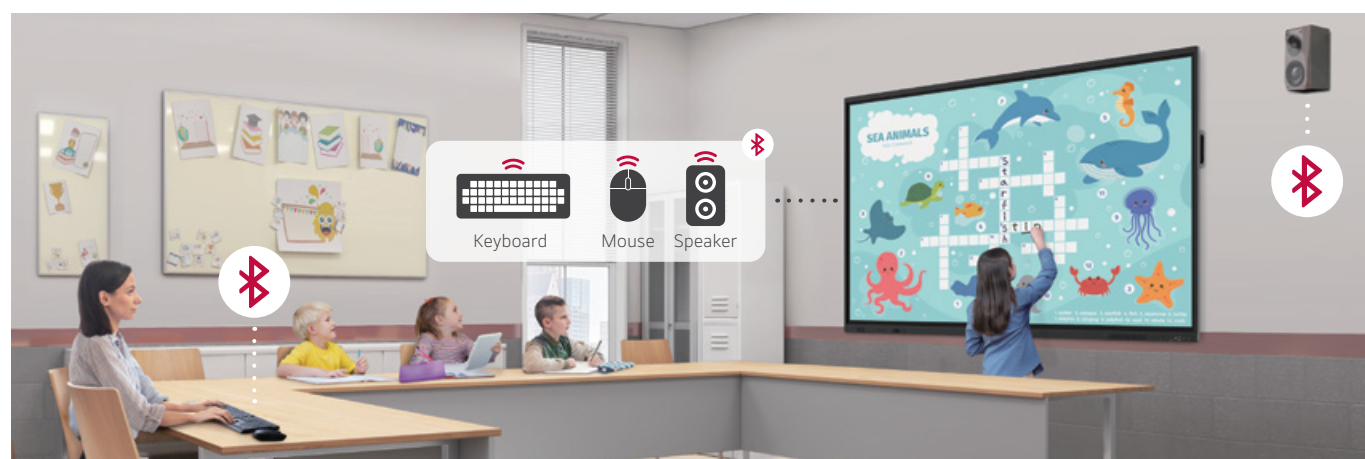
LG CreateBoard boasts a multi-touch functionality that can concurrently detect up to 50 touch points. This feature facilitates simultaneous touch and gesture inputs from multiple users, fostering easy collaboration and idea sharing among team members. This enables efficient interaction in group activities or meetings.



### C-type Connection

USB-C connectivity\* simplifies connections which enables charging and sending data simultaneously over just one single cable.

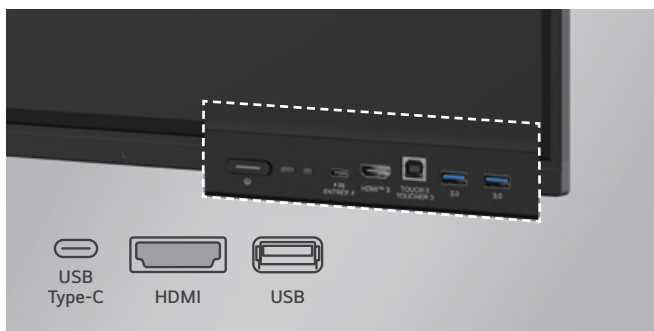
\* USB Type-C cables are sold separately.



### Bluetooth Connectivity

LG CreateBoard supports wireless Bluetooth connections to various devices such as a speaker, mouse, keyboard, etc. This is optimal for building a hybrid environment so that online and offline classes can proceed smoothly.

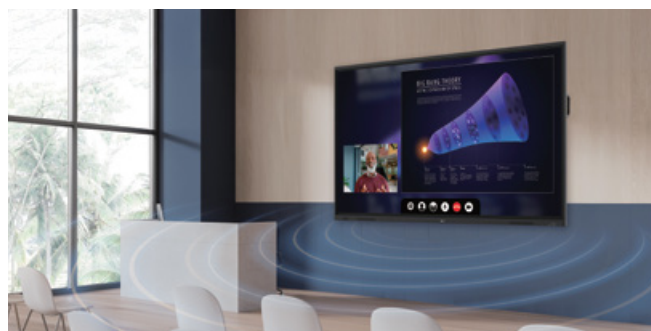
\* All images are for illustrative purposes only.



### Front Connectivity Design

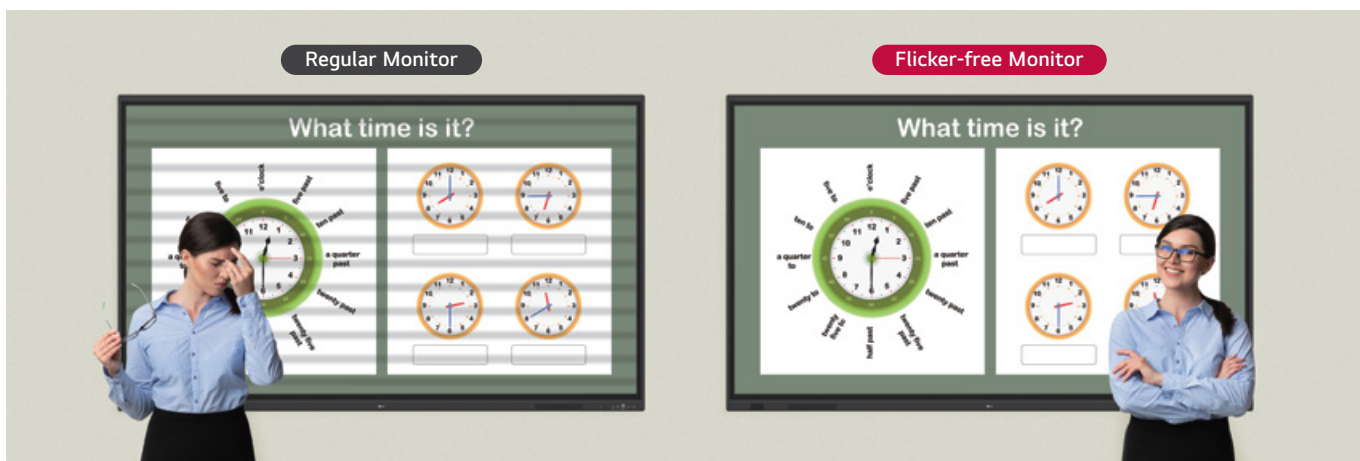
LG CreateBoard is designed with front display ports\*, making it easy for users to connect or disconnect cables.

\* Some ports including the power connector, are located on the side and back of the unit.



### Front Speaker and Subwoofer

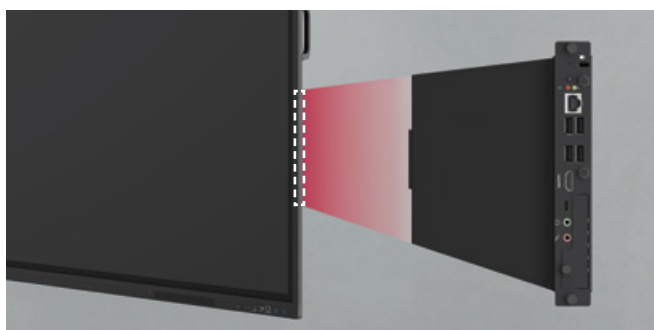
LG CreateBoard delivers audio clarity with powerful front-facing speakers and a dedicated subwoofer. LG CreateBoard provides reliable sound quality that supports effective communication and collaboration without the need for additional audio equipment.



### Advanced Eye-care

LG CreateBoard has introduced a flicker-free\* function. With the reduced flickering of the monitor’s backlight, users can use the device with more comfort even when using it for a long time.

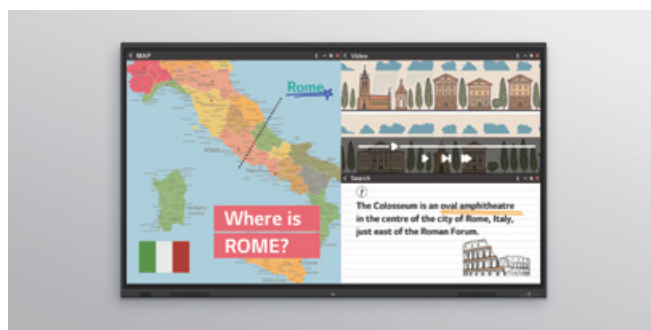
\* All sizes of TR3DQ models received official Flicker Free certification from TUV Rheinland. (January 2025 - January 2028). In the flicker-free test, it is confirmed that there is no visible flicker and no invisible flicker defined by the test standards in the range of 0 to 3,000 Hz at various brightness settings.



### Built-in OPS Slot

LG CreateBoard supports OPS\* slots, allowing users to conveniently mount OPS Module at the back of the screen without the hassle of connecting to an external desktop. This enables various PC functions and Windows software.

\* OPS : Open Pluggable Specification  
 \* OPS slot is sold separately.



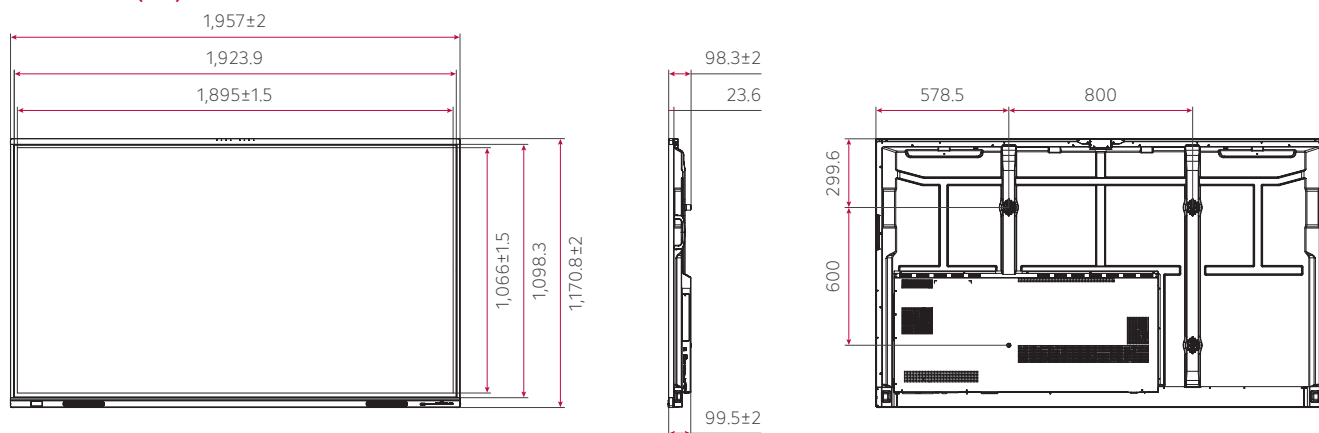
### Multi-screen Mode

LG CreateBoard supports a multi-screen mode\*, allowing users to utilize multiple screens simultaneously. Users can take notes, play videos, and browse the web at the same time, thereby enhancing work efficiency.

\* Multi-screen mode may not work for some apps.

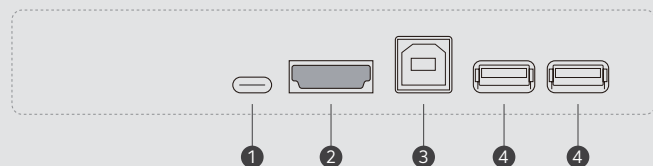
## Dimension (unit: mm)

218.44 cm (86)

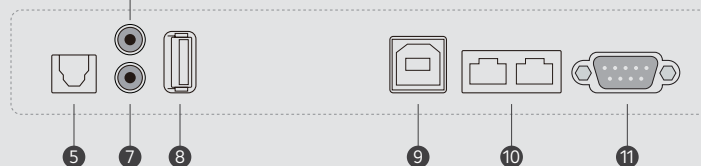


## Connectivity

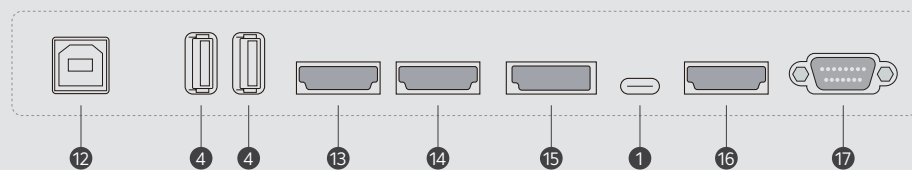
Front



Bottom



Side



- |              |             |           |             |       |
|--------------|-------------|-----------|-------------|-------|
| ① USB Type-C | ⑤ SPDIF     | ⑨ TOUCH 2 | ⑬ HDMI™ 1   | ⑰ VGA |
| ② HDMI™ 3    | ⑥ AUDIO OUT | ⑩ LAN     | ⑭ HDMI™ 2   |       |
| ③ TOUCH 3    | ⑦ AUDIO IN  | ⑪ RS-232C | ⑮ DP IN     |       |
| ④ USB 3.0    | ⑧ USB 2.0   | ⑫ TOUCH 1 | ⑯ HDMI™ OUT |       |


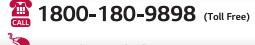
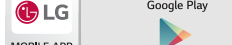

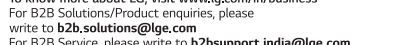
# SPECIFICATIONS

Model Name	86TR3DQ	
PANEL	Size	218.44 cm (86)
	Aspect Ratio	16:9
	Back Light Type	IPS
	Brightness (Typ.)	450 cd/m <sup>2</sup> (nits)
	Color Depth (Number of Colors)	10bit (8bit + FRC)
	Color Gamut	NTSC 72% (NTSC)
	Contrast Ratio	1200:1
	Dynamic CR	5000:1
	Life time	50,000 Hrs (Min.)
	Native Resolution	3840 x 2160 (UHD)
	Operation Hours (Hours / Day)	16 / 7
	Panel Technology	Direct
	Orientation	Landscape
	Refresh Rate	60 Hz
	Response Time	8 ms
Surface Treatment (Haze)	25%	
Viewing Angle (H x V)	178 X 178	
CONNECTIVITY	HDMI In	Yes (3)
	Audio In	Yes (1)
	Audio Out	(1, Optical 1 (SPDIF))
	DP In	Yes (1)
	HDMI Out	Yes (1)
	RGB In	Yes (1, VGA)
	RJ45 (LAN) In	Yes (1)
	RJ45 (LAN) Out	Yes (1)
	RS232C In	Yes (1)
	Touch USB	Yes (3)
	USB In	USB3.0 Type A (5), USB2.0 Type A (1), USB Type-C (2)
	MECHANICAL SPECIFICATION	VESA™ Standard Mount Interface (mm)
Bezel Color		Black
Bezel Width (T / R / L / B, mm)		25.6 / 15 / 15 / 43.5
Carton Dimensions (W x H x D, mm)		2110 x 225 x 1291
Handle		Yes (2)
Monitor Dimensions (W x H x D, mm)		1957 x 1171 x 100
Packed Weight		70.7 kg
Weight (Head)		54.1 kg
ENVIRONMENT CONDITIONS	Operation Humidity	10% to 90%
	Operation Temperature	0°C to 40°C
POWER	Power Type	Built-In Power
	Power Supply	AC 100-240 V - 50 / 60 Hz
POWER CONSUMPTION	Power off	0.5 W
	DPM	0.5 W
	Max.	400 W
	Typ.	235 W
	Smart Energy Saving (70%)	Yes
SOUND	Other - BTU (British Thermal Unit)	802 BTU / Hr (Typ.), 1365 BTU / Hr (Max.)
	Speaker (Built-in)	Yes (20 W x 2 + 20 W)
CERTIFICATION	ePEAT (US only)	Yes (Bronze)
	EMC	FCC Class "A" / CE / KC
	ERP / Energy Star	Yes / Yes
	Safety	CB / NRTL
LANGUAGE	OSD	English, Simplified Chinese, Czech, Denmark, Arabic (Egypt), Finnish, French, German, Greek, Italian, Korean, Netherlands(Dutch), Norwegian, Polski, Portugues (Europe), Portugues (Brazil), Romanian, Russian, Spanish, Swedish, Türkçe, Ukrainian, Traditional Chinese, Hungarian, Thai, Indonesian, Kazakh, Catalan, Basque, Japanese, Estonian, Lithuanian
ACCESSORY	Optional	Wall Mount (WM-L000S), Floor Stand (ST-000F, ST860F)
	Basic	Power Cord 3 M*1, USB Cable (Type A-Type B) 5 M*1, USB Type-C Cable (C to C) 1.8 M*1, HDMI Cable 3 M*1, Writing Pen*2pcs, User Manual, QSG, Carton Box, Remote Controller (include battery 2ea), Wifi module
OPS COMPATIBILITY	OPS Power Built-in	Yes
SOFTWARE COMPATIBILITY	OPS Type compatible	Yes
	Connected Care DMS	Yes (Paid License)
TOUCH	Available Object Size for Touch	Ø2 mm 1
	Response Time	≤5 ms
	Writing Height	≤2 mm
	Accuracy (Typ.)	±1 mm
	Interface	USB 2.0
	Protection Glass Thickness (mm)	3.2 (Anti-Glare)
	Protection Glass Transmission	88%
	Operating System Support	Windows10 / Windows8 / Windows7 / Android / Linux / macOS / Chrome
SPECIAL FEATURE	Multi Touch Point	Max. 50 points
	Conformal Coating (Power Board)	Yes
	Overlay Touch Compatibility	Yes
ANDROID SYSTEM	Power Protection	Yes
	Soc	Octa-core A73x4 +A53x4
	GPU	Mali-G52 MP8
	Memory (RAM)	8 GB
	Storage	64 GB
	Wi-Fi	802.11 a / b / g / n / ac / ax (Wi-Fi 6E)
	LAN	Gigabit LAN
Bluetooth	Bluetooth 5.3	
KEY FEATURE	Wi-fi Built in	Yes
	Mic Built in	Yes (8)
	Auto Brightness Sensor	Yes
	Power Indicator	Yes
	Operating System	Android (14 EDLA)
	PBP	Yes, (1 External Source)
	PIP	Yes, (1 External Source)
	Screen Share	Yes (LG Createboard Share)
	Smart Energy Saving	Yes (Energy Saving)
	Wake on LAN	Yes

Creative Visualization

\*Product Images shown are for representative purpose only. Actual product may vary.

As a continuing policy of product development at LG Electronics, the design and specifications are subject to change. They may vary from model to model. Color/shades may vary due to printing restrictions. E&OE.

				
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