



\* All images in this datasheet are for illustrative purposes only

## Interactive Digital Board TR3DK Series

# A New Level of Classroom with **LG CreateBoard**



Genuine Touch & Writing Experience



Easy Connection & Sharing



Security & Compatibility



User Friendly Experience

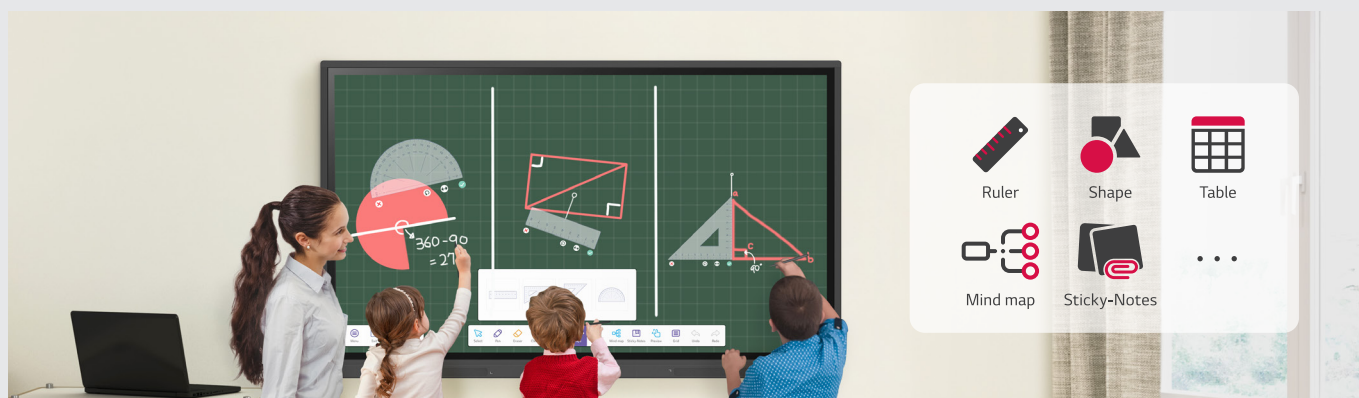


Remote-control Services

### TR3DK Series

Display	Screen Size	65 / 55
	Native Resolution	3,840 × 2,160 (UHD)
	Brightness	440 nit
Touch	Multi-Touch Point	Max. 40 Points
Connectivity	Input	HDMI (3, HDCP2.2), RGB (1, VGA), Audio (1), RS-232C (1), RJ45(1, LAN), USB3.0 Type A (4), USB2.0 Type A (1), USB Type-C (1, USB-PD, DP-Alt)
	Output	HDMI (1), Audio Out (1, Optical 1(SPDIF)), Touch USB (2), RJ45(1, LAN)

## CREATIVE WHITEBOARD SOLUTION



### Various Teaching Templates

LG CreateBoard offers a variety of educational templates and teaching tools such as a ruler, table, and sticky notes, allowing for active engagement by students and enabling intuitive classes. Editing images and videos becomes easy with LG CreateBoard, and created resources can be easily shared with others through QR codes.

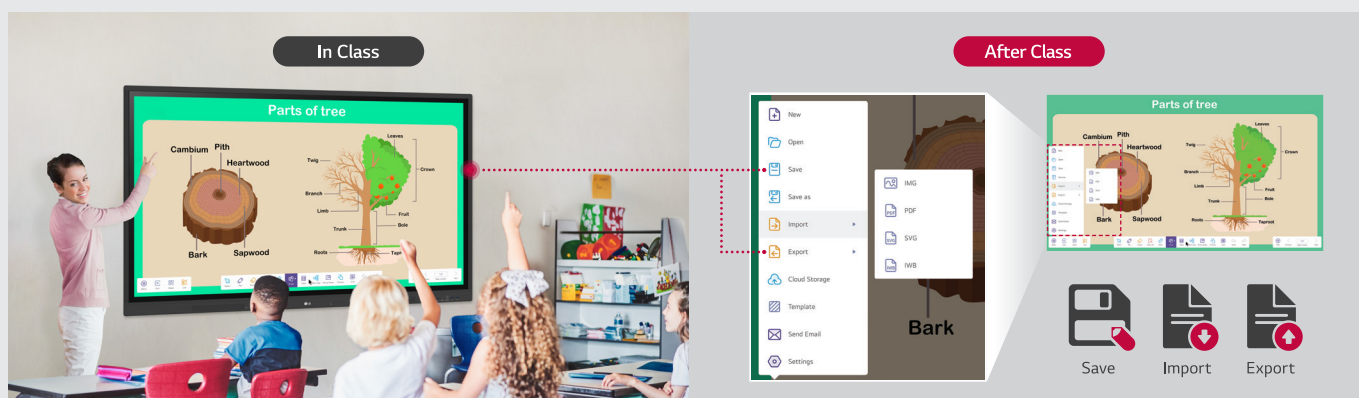


### Multi-touch

LG CreateBoard can simultaneously detect up to 40 points for multi-touch functionality. This creates a lifelike board touch experience, helping students easily become accustomed and truly engage in classes. This leads to the maximum concentration and organic engagement of students.

\* A max of 32 points are recognized in the Android environment, and a max of 40 points are detected in the Windows environment.

\* Up to 10 points can be recognized in the writing app.

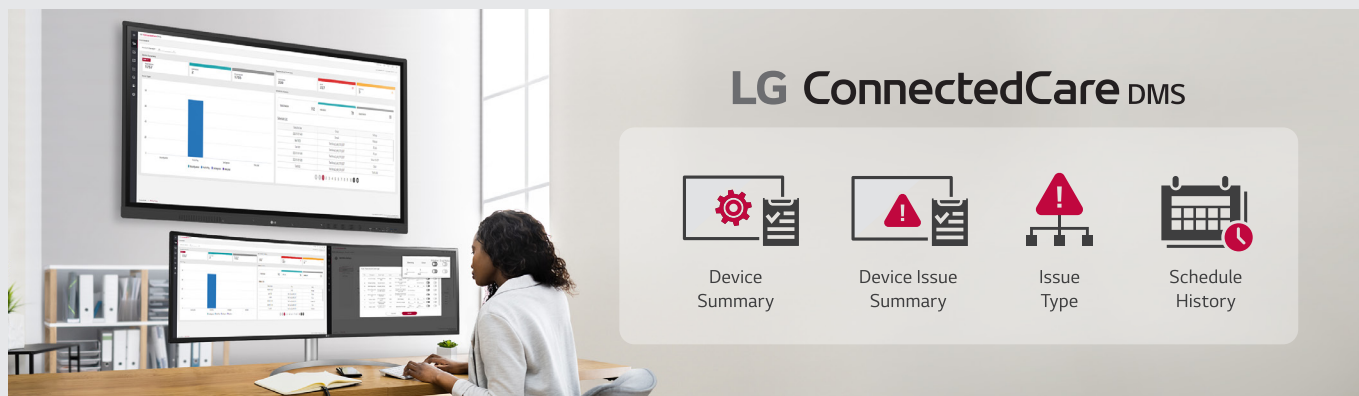


### Easy to Save / Import / Export

LG CreateBoard includes simple import and export functionality. Resources can be saved and imported directly to and from Google Drive or OneDrive, and files can be imported from a USB drive (Users can browse resources saved on USB storage).



## REMOTE MANAGEMENT SOLUTION



### 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.

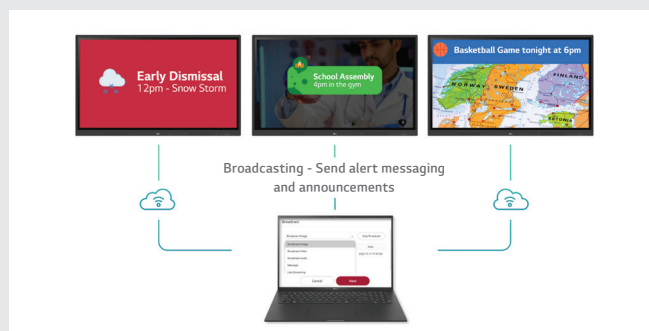
\* The availability of the 'LG ConnectedCare DMS' service differs by region, so please contact the LG sales representative in your region for more details.

\* LG ConnectedCare DMS supports the TR3DJ/TR3PJ/TR3DK Series as of now (plus more to come) under a cloud environment.



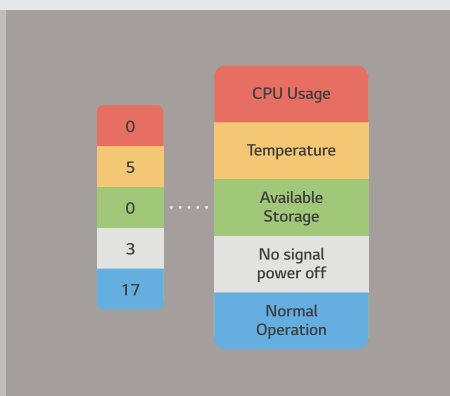
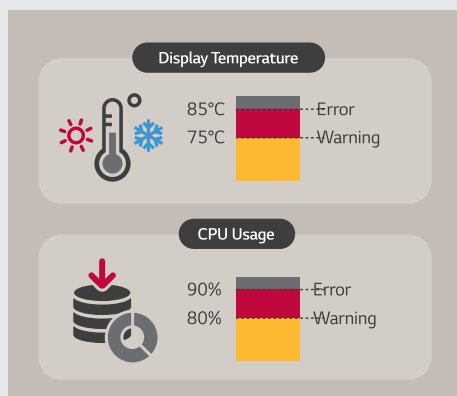
### Remote-control / Scheduling

Frequently used controls such as the power on/off, scheduling, brightness, and screen lock functions can be applied using a remote control.



### Broadcasting / Alert Messaging

Messages and a range of other content can be sent from the main system to individual classroom devices connected to LG ConnectedCare DMS. 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 promptly take safety action.



### Threshold Settings

Users can set thresholds in eight categories including display temperature, memory usage, or signal, and can receive warning or error notifications based on their threshold settings.

### Monitoring & Fault Diagnosis

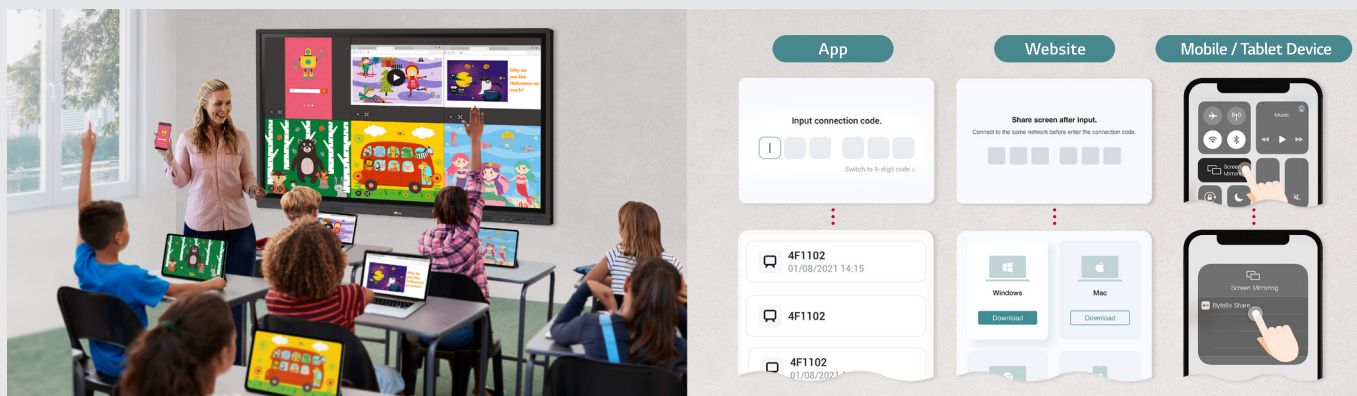
An engineer can check the status in real-time and diagnose problems remotely. Also, the current status of issues can be categorized, allowing for easy viewing and quick responses.

### Issue Management

Remote issue management can be carried out by the LG ConnectedCare DMS solution. This makes management safer and more efficient, facilitating the stable operation of the classroom.

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## EASY CONNECTION & SHARING

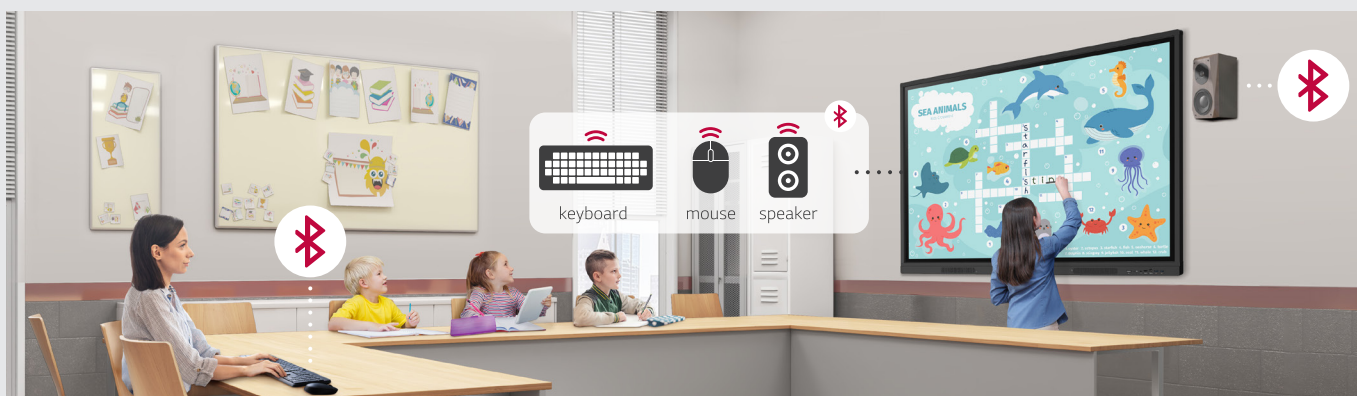


### Wireless ScreenShare

LG CreateBoard Share enables users to show up to 9 shared screens or a file on a screen in real-time when the LG CreateBoard Share app is installed on the device. Also, files from the host can be easily sent to any devices connected to the LG CreateBoard Share app, and several quick controls by the host are available.

\* LG CreateBoard also supports app-less sharing for PC (via website) and mobile devices within the same network.

\* For a more stable connection, we recommend the installation of a dedicated app (LG CreateBoard Share).



### 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.



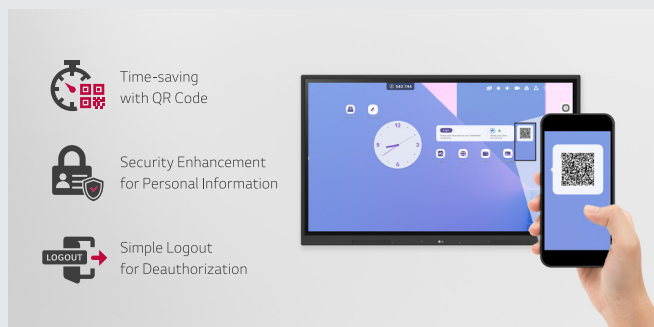
### C-type Connection

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

\* USB Type-C cables are sold separately.

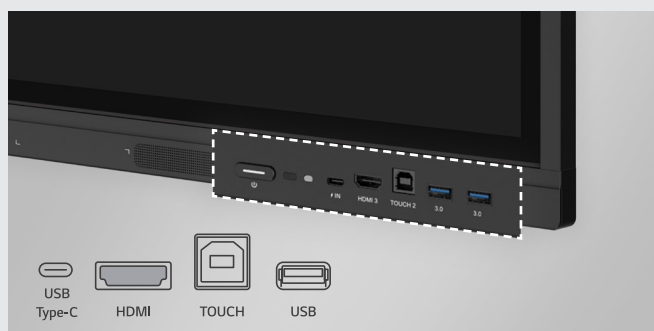
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## OTHER FEATURES



### QR Login for Easy Cloud Access

The QR code on the home screen reduces preparation time for class by enabling personal device verification. Users can sign up for a variety of apps on the LG CreateBoard including Google Drive and OneDrive with just one QR verification without any additional login process. Once a lesson is finished, users can simply click the Logout button to disconnect, thus the risk of a personal information leak is reduced.



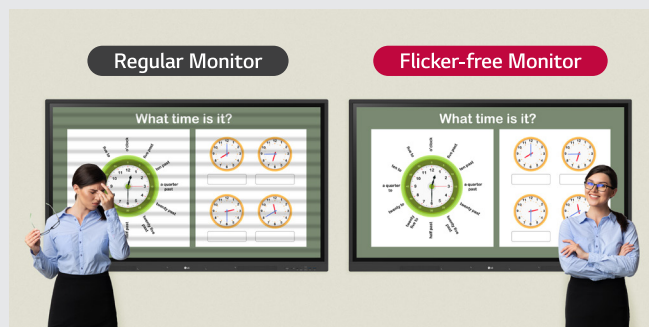
### Front Connectivity Design

LG CreateBoard features front display ports and speakers which are ideal for both teachers and students, enabling content to be delivered easier with more immersive sound.



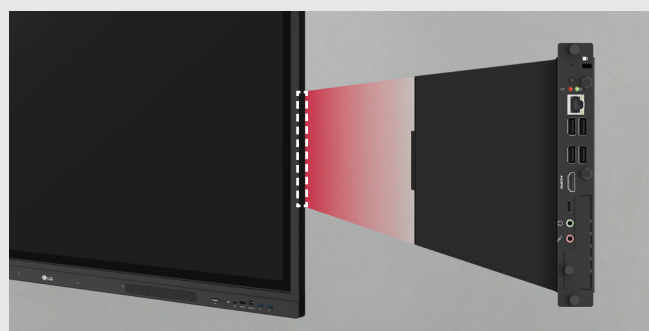
### Smart Viewing

The Smart Viewing feature of LG CreateBoard enables efficient teaching. Two or more materials can be displayed on the same screen simultaneously without having to repeat Alt-tab, making teaching more convenient and efficient. Two materials can be displayed side by side (multi window mode), or one material can be overlaid on the other one (picture-in-picture mode).



### 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.



### Built-in OPS Slot

LG CreateBoard supports OPS slots, allowing you to easily and conveniently mount OPS desktop at the back of the LG CreateBoard without the hassle of connecting to an external desktop, offering you more expanded functions.

\* OPS : Open Pluggable Specification



### Power Saving

When a device doesn't receive an external input signal for a specific amount of time set by the user, the device goes into standby mode. Devices can also be automatically turned on or off at specific time or day set by the user, which contributes to save energy.



## OTHER FEATURES

### SECURE FUNCTION



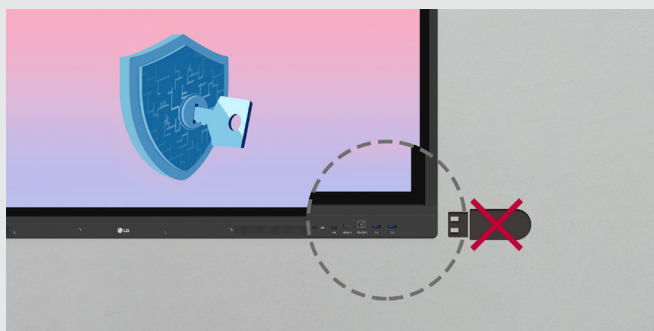
#### Screen Lock

Teachers can lock the screen using the Screen Lock function, and unlock it by entering a password. Users can set the Screen Lock in the Settings menu to protect the device from unidentified users.



#### Secure Mode

LG CreateBoard supports Secure Mode that disables the LG CreateBoard Share function to prevent unauthorized content from being shown on various devices.



#### 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.



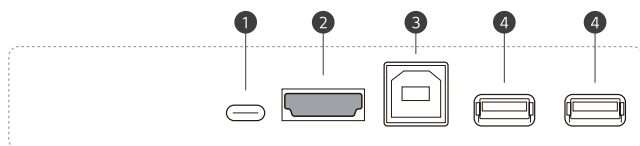
#### Auto-remove Files

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

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## CONNECTIVITY

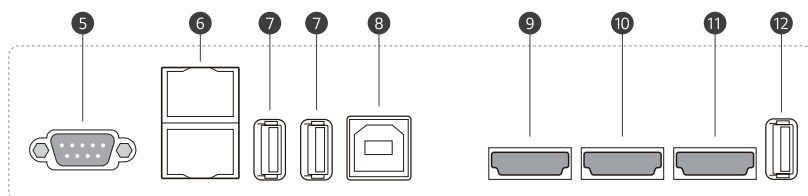
### Front



### Bottom



### Side



- |              |             |              |
|--------------|-------------|--------------|
| 1 USB Type-C | 7 USB 3.0   | 13 SPDIF     |
| 2 HDMI 3     | 8 TOUCH 1   | 14 AUDIO OUT |
| 3 TOUCH 2    | 9 HDMI 1    | 15 AUDIO IN  |
| 4 USB 3.0    | 10 HDMI 2   | 16 VGA       |
| 5 RS-232C    | 11 HDMI OUT | 17 SWITCH    |
| 6 LAN        | 12 USB 2.0  | 18 POWER     |

\* Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.

## SPECIFICATIONS

Model Name			65TR3DK	55TR3DK
PANEL	Screen Size		65	55
	Panel Technology		IPS	
	Back Light Type		Direct	
	Aspect Ratio		16:9	
	Native Resolution		3840x2160 (UHD)	
	Refresh Rate		60Hz	
	Brightness		440 nit	
	Contrast Ratio		1200:1	
	Dynamic CR		5000:1	
	Color gamut		NTSC 72%	
	Viewing Angle(H x V)		178°(H/V)	
	Color Depth		1.07B(10bit)	
	Response Time		8ms	
	Surface Treatment(Haze)		Haze 25%	
Connectivity (Jack Interface)	Input	Digital	HDMI (3) HDCP2.2	
		Analog	(1, VGA)	
		Audio In	(1)	
		RS232C IN	(1)	
		RJ45(LAN)	(1)	
		USB	USB3.0 Type A(4) USB2.0 Type A(1) USB Type-C(1, USB-PD, DP-Alt)	
	Output	Display Out	HDMI Out (1)	
		Audio Out	(1, Optical 1(SPDIF))	
		Touch USB	(2)	
		RJ45(LAN)	(1)	
Mechanical Specification	Bezel Color		Black	
	Bezel Width		T/R/L/B : 15/15/15/44mm	T/R/L/B : 18/18/18/45mm
	Weight(Head)		35.0Kg	26.1Kg
	Packed Weight		44.7Kg	34.5Kg
	Monitor Dimension(W x H x D)		1488.4×896.6×87.2mm	1271×774×87mm
	Carton Dimensions(W x H x D) (Box outer size)		1628×1005×208mm	1401×859×220mm
	Handle		Yes	
Key Feature	HW	VESATM Standard Mount Interface		600×400mm
		Wi-Fi	Slot type	
		Built-in	Yes	
	SW	Auto Brightness sensor		Yes
		Power Indicator		Yes
		webOS ver.		Android 11.0
		Background Image	Bootimg Logo Image	
		Multi-screen	PIP	
		PBP		Yes
		Screen Share		(LG CreateBoard Share)
Environment Conditions	Operation Temperature		0 ~ 40 °C	
	Operation Humidity		10 ~ 90 % RH	
POWER	Power Supply		100-240V~ 50/60Hz 5.5A	
	Power Type		Built-In Power	
Power Consumption	Typ.		220	170
	Max.		420	395
	BTU (British Thermal Unit)		751 BTU/Hr(Typ.), 1433 BTU/Hr(Max)	580 BTU/Hr(Typ.), 1348 BTU/Hr(Max)
	DPM		≤0.5W	
SOUND	Speaker		15W x 2	
	Safety		CB / NRTL	
CERTIFICATION	EMC		FCC Class "A" / CE / KC	
	OPS type compatible		Slot type	
OPS Compatibility	OPS Power built in		Yes	
	LG ConnectedCare		Yes	
Language	LG ConnectedCare DMS		DMS ( paid License )	
	OSD		English, Denmark, Finnish, German, Korean, Norwegian, Polski, Portugues(Europe), Portugues(Brazil), Romanian, Spanish, Swedish, Hungarian, Thai	
Accessory	Basic		Power Cord 3 M*1, USB Cable (Type A-Type B) 5 M*1, HDMI Cable 3 M*1, Writing Pen*2pcs, User Manual, QSG, Remote Controller(include battery 2ea), Wifi module	
Touch	Reponse Time		≤5ms	
	Accuracy		±1mm	
	Interface		USB2.0	
	Surface Hardness		Toughened glass with 9H level 7 Mohs standard	
	Operating System Support		Windows 7/8/10/Linux/Mac/Android (Linux/Mac Support one point touch)	
Android System	Multi touch point		Max 40 points	
	SoC		Quad core A55	
	GPU		Mali G52MP2	
	Internal Memory	Storage	32GB	
		RAM	4GB	
	Wi-Fi		802.11a/b/g/n/ac/ax (WiFi 6)	
	LAN		Gigabit LAN	
Bluetooth			Bluetooth 5.0	

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. Colour/shades may vary due to printing restrictions. E&OE.



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