LG | Business Solutions

SPACE WORD SEARCH PUZZLE

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	86 / 75 / 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

Ruler   Shape   Table

Mind map   Sticky-Notes   . . .

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.

In Class

After Class
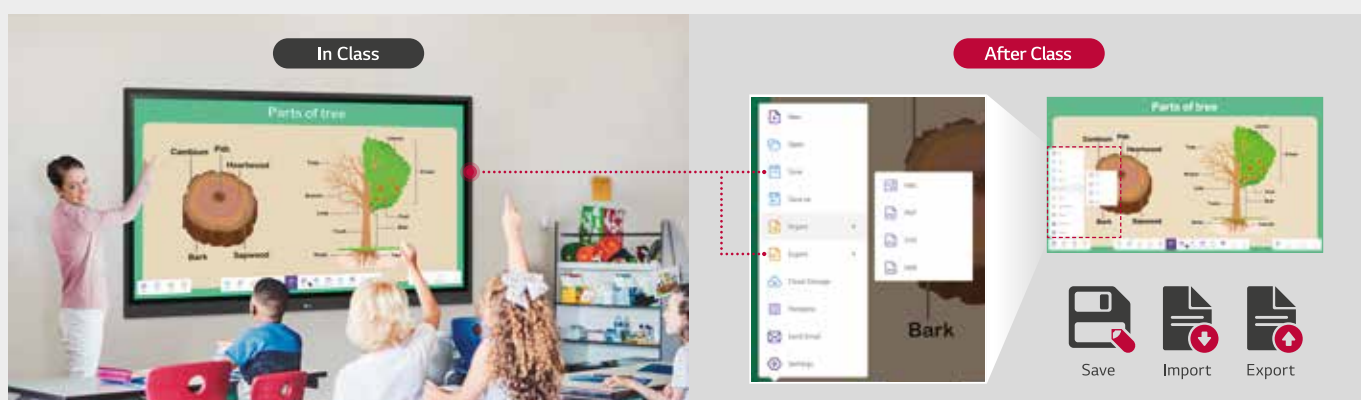
Save   Import   Export

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

Device Summary | Device Issue Summary | Issue Type | Schedule History
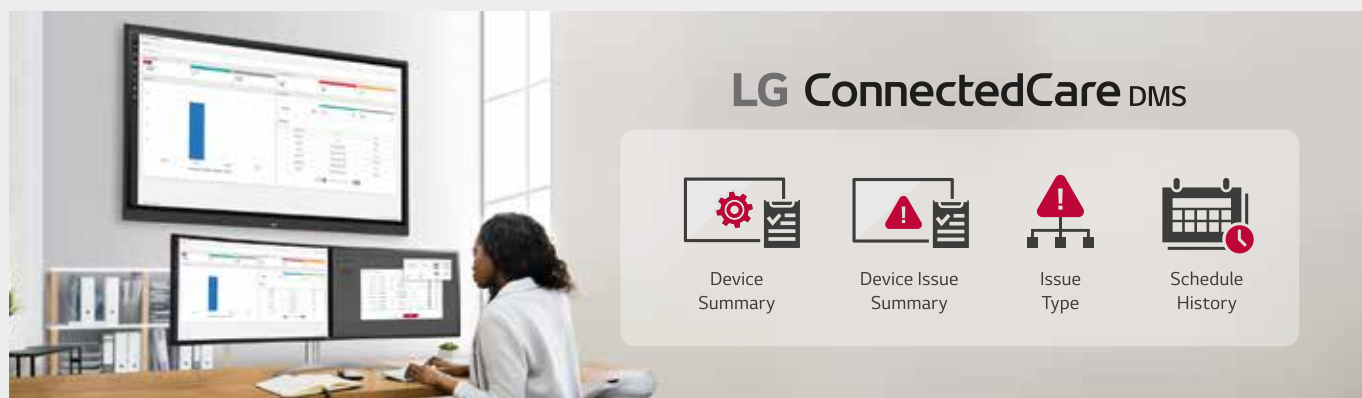
LG ConnectedCare DMS

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.

IT Manager Room | Classroom
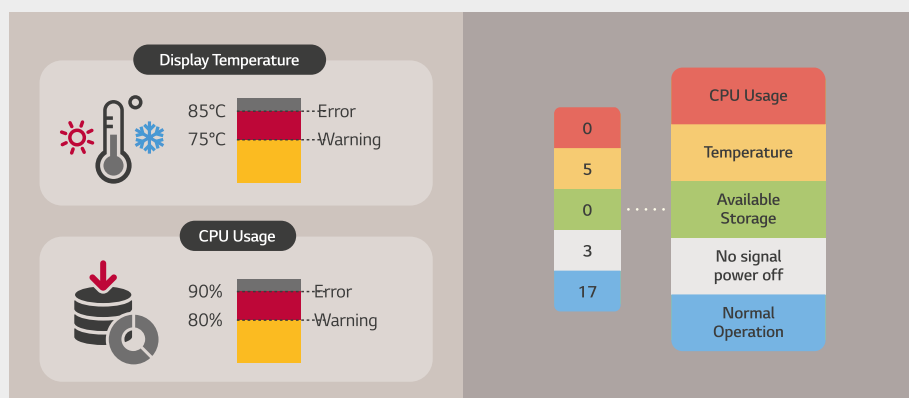
Broadcasting - Send alert messaging and announcements
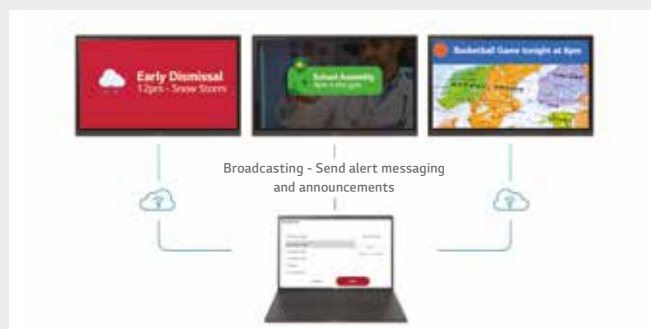
Remote-control / Scheduling

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.

Display Temperature

85°C ···Error
75°C ···Warning

CPU Usage

90% ···Error
80% ···Warning

0 | CPU Usage
5 | Temperature
0 | Available Storage
3 | No signal power off
17 | Normal Operation

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.

EASY CONNECTION & SHARING

| App | Website | Mobile / Tablet Device |

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).

keyboard   mouse   speaker
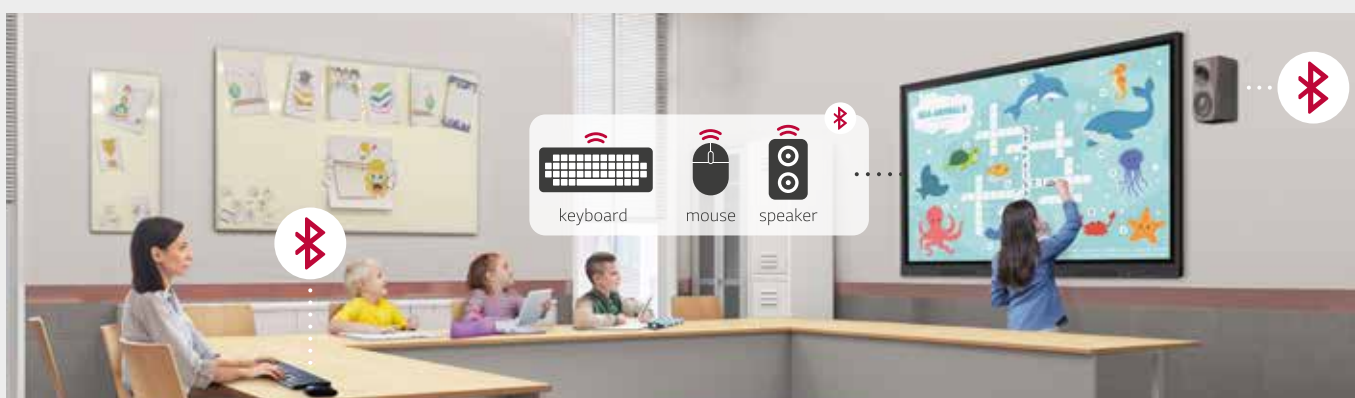
Bluetooth Connectivity

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.

Data Transmission

Up to 65W Charging

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.

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

OTHER FEATURES

Time-saving
with QR Code

Security Enhancement
for Personal Information

Simple Logout
for Deauthorization

Regular Monitor   Flicker-free Monitor

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.
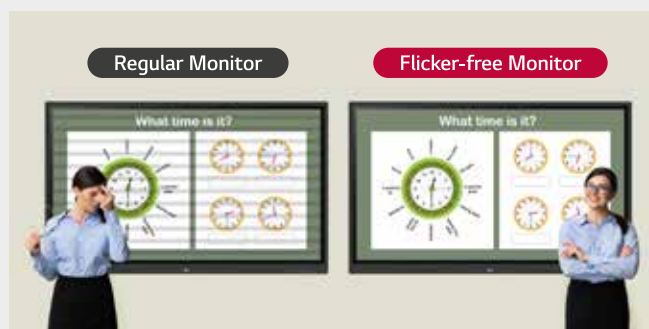
Advanced Eye-Care

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.

USB Type-C   HDMI   TOUCH   USB

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.
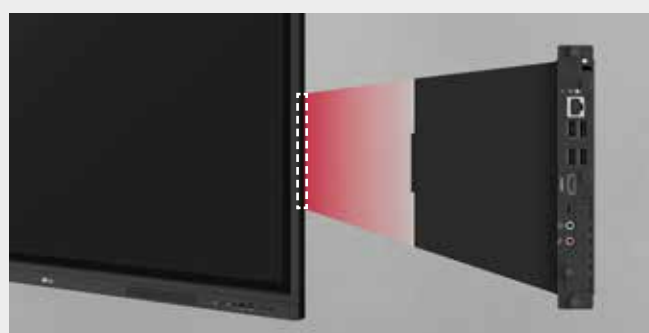

Built-in OPS Slot

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

Multiple Window Mode   Picture-in-picture Mode

Power Saving

No Input   Standby Mode

ON
OFF

Time Setting   Auto Turn On/Off

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).

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.
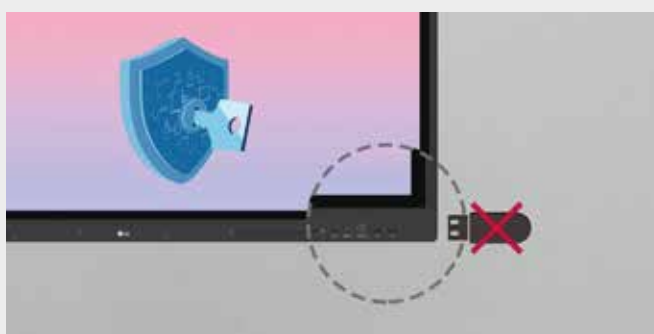
USB Lock Mode

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.
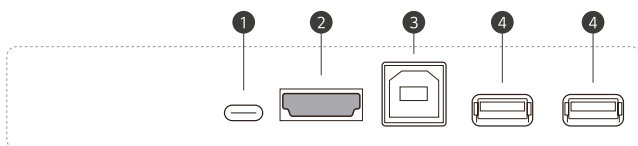

Auto-remove Files

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

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

CONNECTIVITY

Front

Bottom

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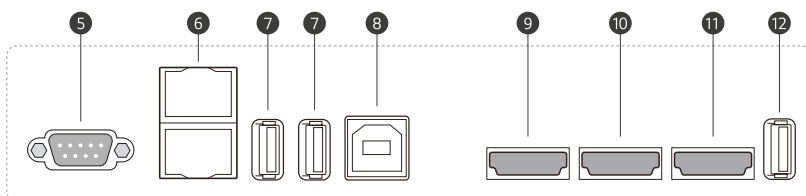
1	USB Type-C	7	USB 3.0	13	SPDIF
2	HDMI 3	8	TOUCH 1	14	AUDIO OUT
3	TOUCH 2	9	HDMI 1	15	AUDIO IN
4	USB 3.0	10	HDMI 2	16	VGA
5	RS-232C	11	HDMI OUT	17	SWITCH
6	LAN	12	USB 2.0	18	POWER

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

DIMENSION (unit: mm)

86

1,957
1,924
1,897
1,068
1,098
1,160
67
24
100
579
800
289
600

75

1,709
1,676
1,650
928
959
1,020
53
24
88
455
800
201
400

65

1,488
1,458
1,428
804
838
897
51
24
88
444
600
222
400

55

1,271
1,233
1,210
680
709
774
50
22
87
435
400
271
200
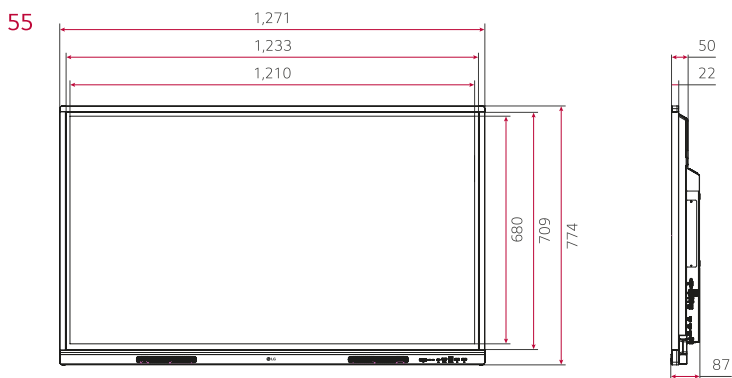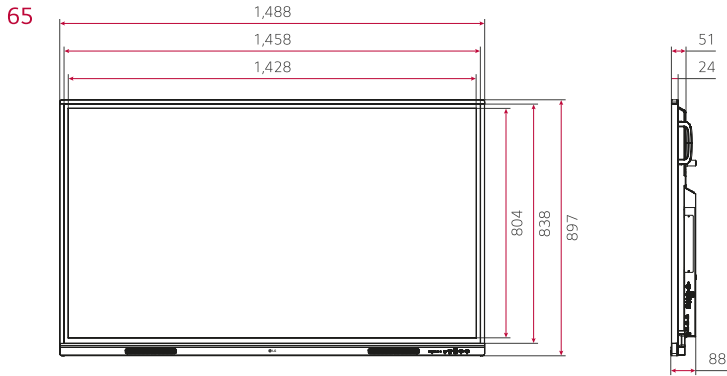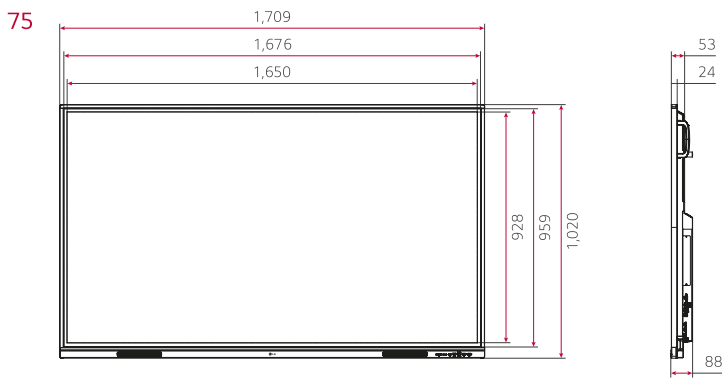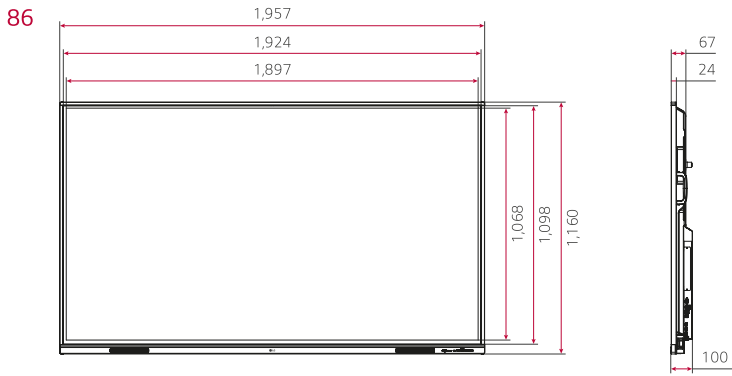
* Dimensions may differ from the above image, so please contact LG sales team to verify before ordering.

SPECIFICATIONS

Model Name			86TR3DK	75TR3DK	65TR3DK	55TR3DK
PANEL	Screen Size		86	75	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 68%	NTSC 72%		
	Viewing Angle(H x V)		178°(H/V)			
	Color Depth		1.07B(10bit)			
	Response Time		8ms			
	Surface Treatment(Haze)		Haze 28%	Haze 25%		
	Operation Hours (Hours/Day)		16/7			
Connectivity (Jack Interface)	Input	Digital HDMI	HDMI (3) HDCP2.2			
		Analog RGB	(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 : 15/15/15/44mm	T/R/L/B : 15/15/15/44mm	T/R/L/B : 18/18/18/45mm
	Weight(Head)		58.6Kg	47.3Kg	35.0Kg	26.1Kg
	Packed Weight		75.9Kg	60.6Kg	44.7Kg	34.5Kg
	Monitor Dimension(W x H x D)		1957×1160×100mm	1709×1020×88mm	1488.4×896.6×87.2mm	1271×774×87mm
	Carton Dimensions(W x H x D) (Box outer size)		2110×1283×225mm	1863×1140×225mm	1628×1005×208mm	1401×859x220mm
	Handle		Yes			
	VESATM Standard Mount Interface		800×600mm		600×400mm	400×200mm
Key Feature	HW	Internal Memory	32GB			
		Wi-Fi Built-in	Slot type			
		Auto Brightness sensor	Yes			
		Power Indicator	Yes			
	SW	webOS ver.	Android 11.0			
		Background Image Booting Logo Image	Yes			
		Multi-screen PIP	Yes			
		Multi-screen PBP	Yes			
		Screen Share	(LG CreateBoard Share)			
		Power Smart Energy Saving	(Energy Saving)			
		Power Wake on LAN	Yes			
Environment Conditions	Operation Temperature		0 ~ 40 ℃			
	Operation Humidity		10 ~ 90 % RH			
POWER	Power Supply		100-240V~ 50/60Hz 5.5A			
	Power Type		Built-In Power			
Power Consumption	Typ.		385W	225	220	170
	Max.		580W	430	420	395
	BTU (British Thermal Unit)		1314 BTU/Hr(Typ.), 1979 BTU/Hr(Max)	768 BTU/Hr(Typ.), 1467 BTU/Hr(Max)	751 BTU/Hr(Typ.), 1433 BTU/Hr(Max)	580 BTU/Hr(Typ.), 1348 BTU/Hr(Max)
	DPM		≤0.5W			
	Power off		≤0.5W			
SOUND	Speaker		15W x 2			
CERTIFICATION	Safety		CB / NRTL			
	EMC		FCC Class "A" / CE / KC			
OPS Compatibility	OPS type compatible		Slot type			
	OPS Power built in		Yes			
	LG ConnectedCare		Yes			
	LG ConnectedCare DMS		DMS (Paid License)			
Language	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			
	Protection Glass Thickness		3T(Anti-Glare)			
	Operating System Support		Windows 7/8/10/Linux/Mac/Android (Linux/Mac Support one point touch)			
	Multi touch point		Max 40 points			
Android System	SoC		Quad core A55			
	GPU		Mali G52MP2			
	Internal Memory Storage		32GB			
	Internal Memory RAM		4GB			
	Wi-Fi		802.11a/b/g/n/ac/ax (WiFi 6)			
	LAN		Gigabit LAN			
	Bluetooth		Bluetooth 5.0			