

LG CreateBoard Standard

86TR3DQ

Key Features

- Resolution : 3,840 × 2,160 (UHD)
- Brightness : 400 nit (Typ.)
- Multi-Touch Point : Max. 50 Points
- OS Ver. : Andorid 14 (EDLA)
- Interface (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
- Interface (Output) : HDMI Out, Audio Out, Touch USB (3), RJ45 (LAN)



All Spec

PANEL

Screen Size (Inch)
86"

Back Light Type
Direct

Native Resolution
3840x2160 (UHD)

Brightness
400nit (typ.)

Dynamic CR
5000:1

Viewing Angle (H x V)
178 X 178

Response Time
8ms

Life time
50,000 Hrs(L50, Min.)

Portait / Landscape
X / O

Panel Technology
IPS

Aspect Ratio
16:9

Refresh Rate
60Hz

Contrast Ratio
1200:1

Color Gamut
NTSC 72%

Color Depth (Number of Colors)
8bit+FRC, 1.07G

Surface Treatment (Haze)
25%

Operation Hours (Hours/Day)
16/7

CONNECTIVITY

HDMI In
O(3, Front1/Back2)

RGB In
O(1, VGA)

RS232C In
O(1)

USB In

DP In
O(1)

Audio In
O(1)

RJ45(LAN) In
O(1)

HDMI Out

"USB3.0 Type A(5) - Front2/Back2/Top1 USB2.0 Type A(1), USB Type-C(2, For the front 1, PD 65W without OPS/ DP-Alt) - Front1/Back1"

Audio Out
O(1), Optical O(1, SPDIF)

RJ45(LAN) Out
O(1)

O(1)

Touch USB
O(3, Front1/Back2)

MECHANICAL SPECIFICATION

Bezel Color Black	Bezel Width T/R/L/B : 25.6/15/15/43.5mm
Weight (Head) 54.1Kg	Packed Weight 70.7Kg
Monitor Dimensions (W x H x D) 1957×1170.8×99.7mm	Carton Dimensions (W x H x D) 2110×1291×225mm
Handle O	VESA Standard Mount Interface 800x600mm

PROTECTION GLASS

Thickness 3.2	Tempered / Chemical strengthening O
Anti-Reflective O	Shatter-Proof O

FEATURE - HARDWARE

Internal Memory (eMMC) 64GB	Wi-Fi/BT (Built-in) O (Slot type)
Auto Brightness Sensor O	Power Indicator O

FEATURE - SOFTWARE

OS Ver. (webOS) Android14(EDLA)	Booting Logo Image O
RS232C Sync O (LG RS232C Command)	PIP O(1) external source
PBP O(4)	Screen Share O (CreateBoard Share)
Setting Data Cloning O	Crestron Connected O
Smart Energy Saving O (Energy Saving)	Wake on LAN O
Network Ready O (Fast Power On)	HDMI-CEC O
webRTC	

O(CreateBoard Share website mirr used WebRTC)

ENVIRONMENT CONDITIONS

Operation Temperature 0°C to 40°C	Operation Humidity 10% to 90%
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POWER

Power Supply AC 100-240V~, 50/60Hz	Power Type Built-In Power
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POWER CONSUMPTION

Typ. 235W(measured:215W)	Max. 400W(measured:370W)
BTU (British Thermal Unit) TBD	DPM 0
Power off < 0.5W	

SOUND

Speaker (Built-in)
"speaker : O (20Wx2 + 20W) output : O (18Wx2 + 18W)"

CERTIFICATION

Safety "IEC 62368-1:2018; UL 62368-1:2019"	EMC FCC Class "A" / CE / KC
ERP / Energy Star O / O	ePEAT(US only) O(Bronze)

OPS COMPATIBILITY

OPS Type compatible O(Slot)	OPS Power Built-in O
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SOFTWARE COMPATIBILITY

Connected Care
O

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, Lithunian"

ACCESSORY

Basic	Optional
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	WIB9060H

SPECIAL FEATURE

Overlay Touch Compatibility	Conformal Coating (Power Board)
O	O
Power Protection	
O	

DEDICATED FEATURE - TOUCH

Available Object Size for Touch	Accuracy (Typ.)
Ø2 mm ↑	±1mm
Interface	Protection Glass Thickness
USB2.0	3.2mm (Anti-Glare)
Protection Glass Transmission	Operating System Support
88% (Typ.)	Windows 10/ Windows 8/ Windows 7/ Android/ Linux/ macOS (Linux/ macOS 1 Point)
Multi Touch Point	
Max 50 Point	

DEDICATED FEATURE - CREATE BOARD

CPU	GPU
Octa core A73x4 +A53x4 (A311D2)	Mali-G52 MP8
Memory(RAM)	Storage
8GB	64GB
Wi-Fi	LAN
WiFi 6E	Gigabit LAN
Bluetooth	OS ver. (Android)
Bluetooth 5.3	Android 14(EDLA)