

Mainstream Education Solution

# BenQ Board Master RM05 Interactive Display

Experience education technology that performs exactly as you need.  
Intuitive, secure, made for teachers and IT.



**BenQ Education**  
Shape the Future of Learning

BenQ Board Master  
RM6505/RM7505/RM8605



Google EDLA Certified



Built-in AI Features



Device & Account  
Management

# Advanced hardware meets intelligent software



## Google EDLA Certified

Google Play support



## 10 TOPS NPU

Industry-leading AI



## Built-in AI features

Do-it-all teaching assistant



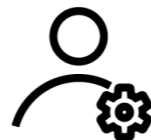
## Eyesafe 3.0

Max blue light protection



## 50W sound system

Powerful, crisp audio



## Directory sync

Auto account setup



## Multi-user login

QR code and NFC



## Android 15

Future upgradeable

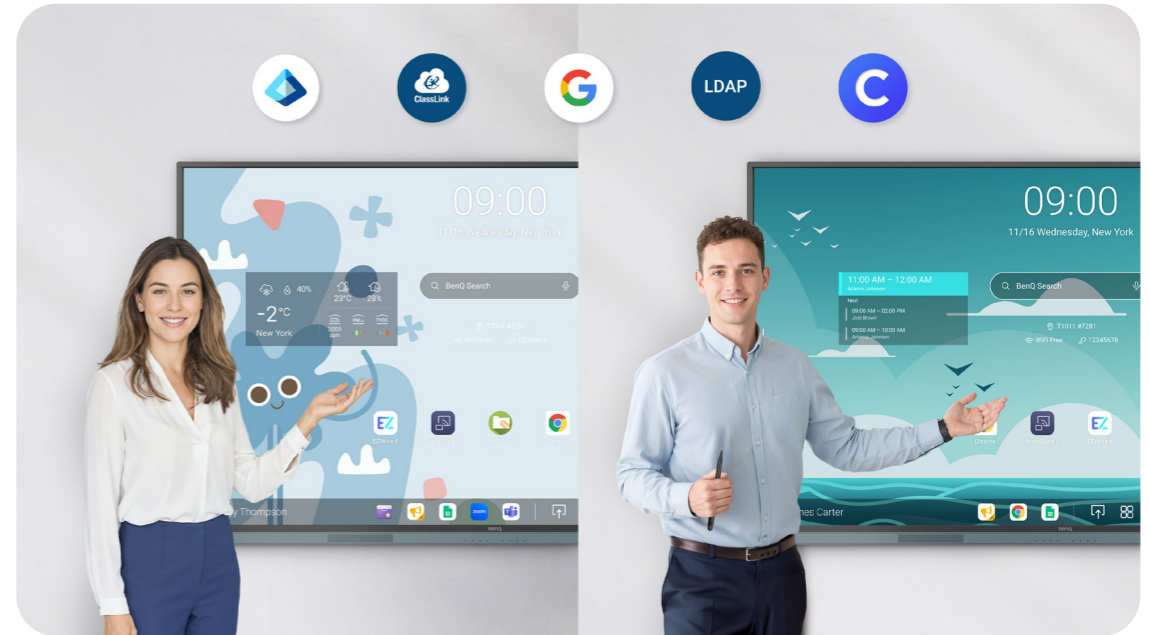
# For IT efficiency and classroom ease

Less hassle for IT, secure logins for teachers. No manual account setup needed with directory sync. Import users from ClassLink, Clever, Google, Microsoft, and other identity providers and manage with ease.



## End-to-end management ecosystem

Device, app, and account management is easier than ever, significantly easing the burden on IT.



## Personal, secure workspace on every display

Teachers can log in securely with single sign-on and access their personalized workspace, complete with app shortcuts, wallpapers, and cloud storage.

# BenQ AI: Your versatile teaching assistant



For every classroom situation

Smart tools. Effortless to teach with. The most advanced AI built in.



**Ask AI**

Get answers on the spot



**Lasso Search**

Circle, search, discover



**EZMath**

Neat, legible formulas and shapes

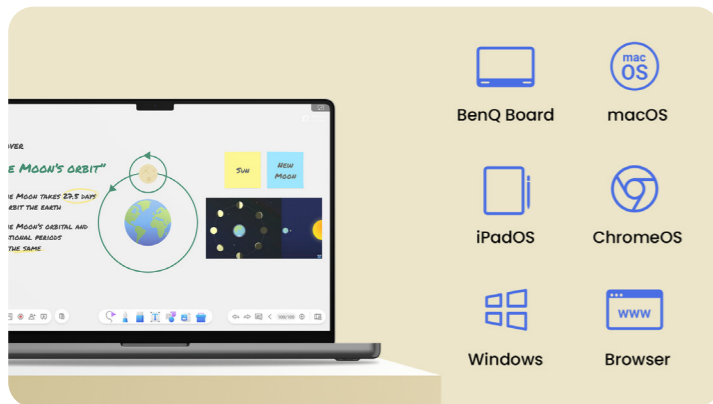


**Circle to Artify**

From notes and sketches to art

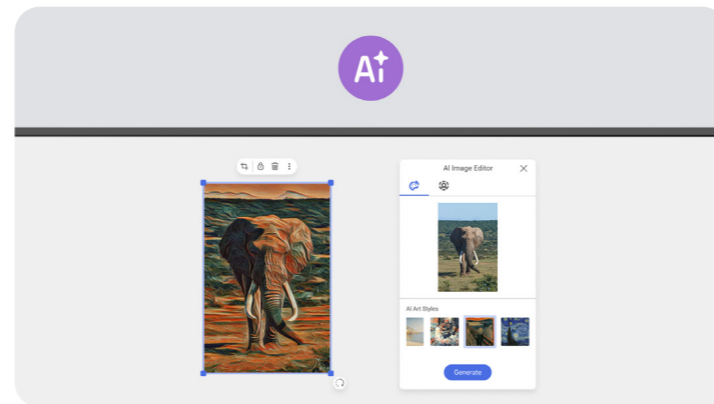
# EZWrite 6: Beyond a whiteboard

Empowering teachers through every step, from lesson planning and classroom interaction to post-class review.



## Create lessons anywhere

Prepare lessons using preferred platforms. EZWrite 6 works across laptops and mobile devices, supporting Windows, macOS, Android, and browsers.



## Versatile teaching tool

Go beyond writing and sketching. Expand the whiteboard, split sections for group work, improve equation readability, and elevate visuals with AI-powered Background Remover and Art Style Transfer features.



## Import, edit, and share

Easily incorporate content with support for diverse file formats, including Office files, PDFs, MP4s, and more. Add notes during class and save the session as an editable file or export it as a handout for review.

# InstaShare 2: Wireless screen sharing

No cables, no adaptors, no setup delays. Walk in and transform lessons into shared experiences.



## Improve lesson flow

The touchback feature lets teachers control their laptops directly from the board, eliminating the need to move back and forth during class. Less interruptions, more student focus.



## The future of classroom interaction

Cast up to nine screens to foster a collaborative space where every student is inspired to share ideas. Teachers maintain control over which devices are mirrored and how many, who can annotate, and which screen-sharing mode is used.



## Smooth casting from any device

Compatible with Windows, Android, ChromeOS, macOS, iOS, and iPadOS for a consistent experience across devices. Supports native protocols like AirPlay, Google Cast, and Miracast for effortless screen casting.

# Tools as diverse as today's classrooms

No two learning environments are alike.  
The RM05 provides the adaptability to help every student excel.



## Scrolling ink

Ink moves with the pages when scrolling in note browser



## Ink freely

Add notes and highlight on top of apps and documents with Floating Tool



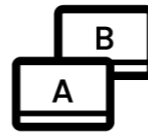
## Side-by-side drag and drop

Easily move content between Chrome and EZWrite



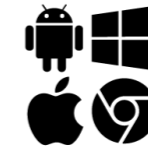
## Go big

Mirror content to a larger screen



## Workspace doubled

More space with screen extension



## Max compatibility

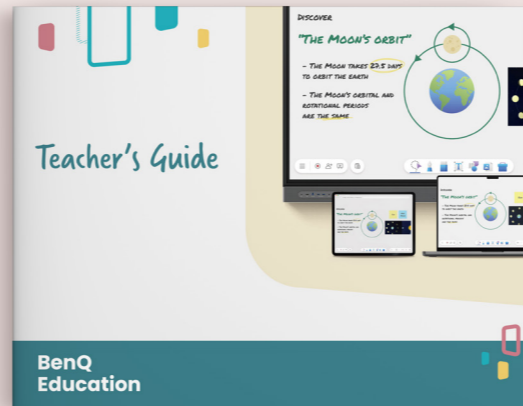
Support Android, Windows, MacOS, ChromeOS, and more

# Easy adoption first and foremost, ease of use a close second

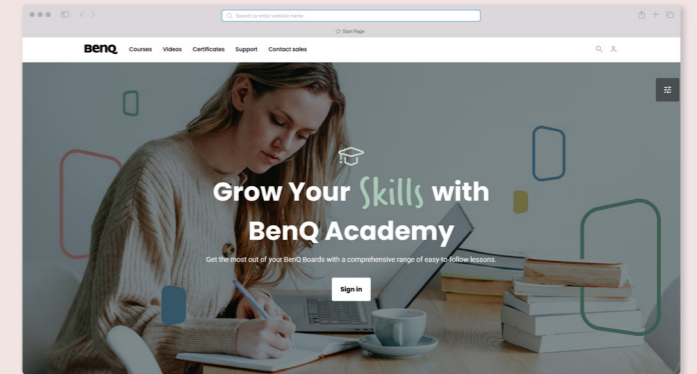
Designed for easy onboarding, with a wide range of resources to help teachers and IT optimize the BenQ display experience.



Onboarding guides



Teacher's guides



BenQ Academy

# Attendance builds achievement

BenQ ClassroomCare® offers numerous protective features to ensure a safe environment for learning interactions.



# Student health comes first



## Eyesafe 3.0

Highest level of blue light protection



## Circadian optimization

Supports healthy sleep



## Germ-resistant

Effective against 99.9% of common germs



## Anti-glare

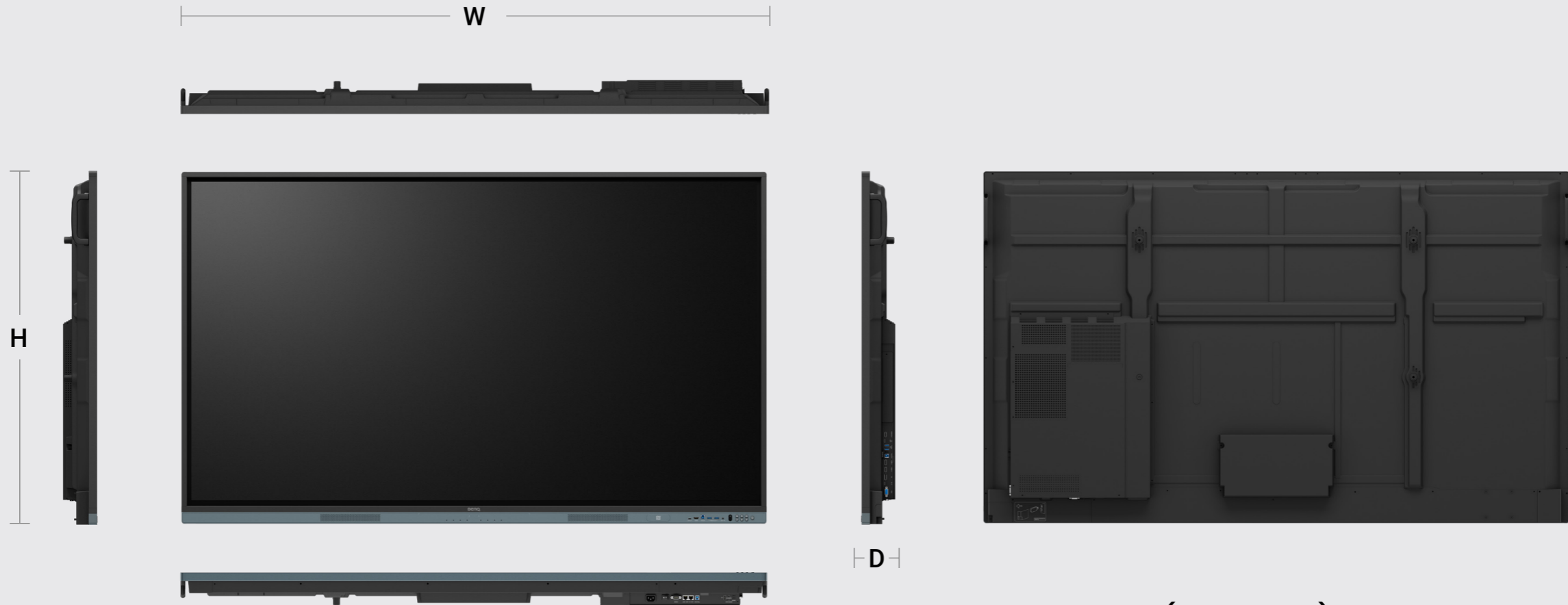
Comfortable viewing in bright environments



## Flicker-free

Reduces eye strain for healthier screen time

## RM05 device specifications



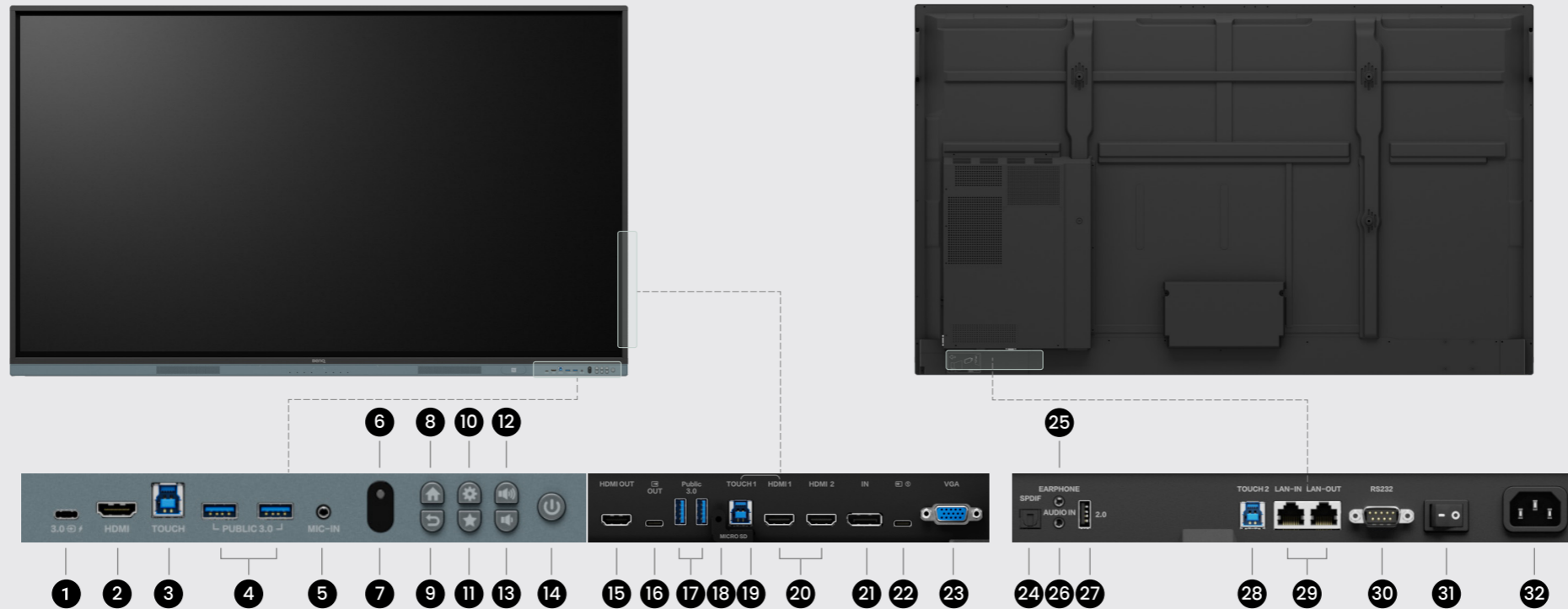
### Dimensions (W × H × D)

RM6505 | 58.6 × 35.6 × 3.9 in (1488.4 × 903.3 × 98.4 mm)

RM7505 | 67.3 × 40.4 × 3.9 in (1709.4 × 1026.8 × 98.6 mm)

RM8605 | 77.0 × 45.9 × 3.9 in (1957 × 1166.6 × 98.4 mm)

# RM05 device specifications



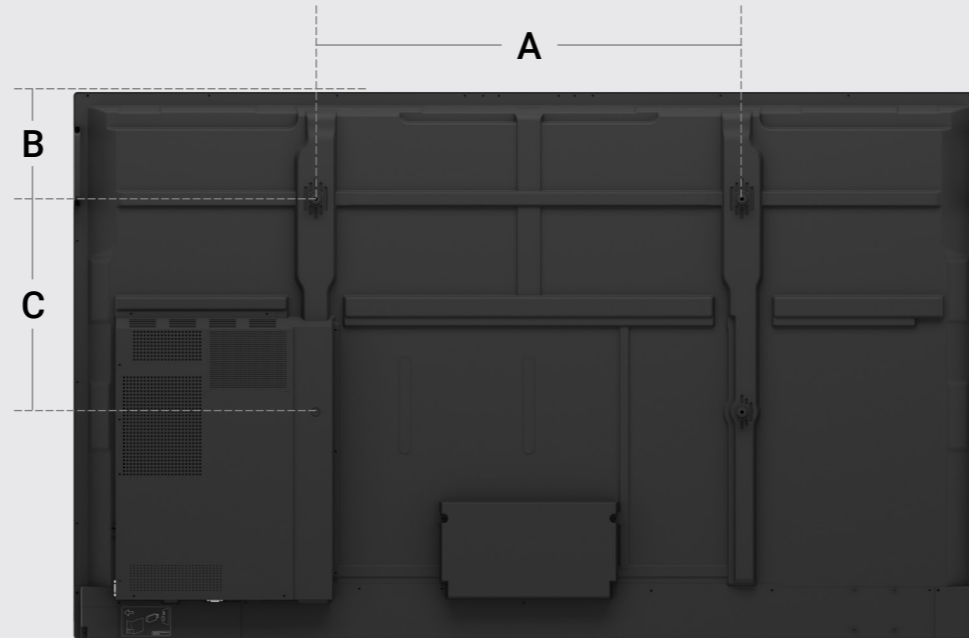
- 1. USB 3.0 Type-C port (PD 65 W)
- 2. HDMI in port
- 3. Touch USB 3.0 Type-B port
- 4. USB 3.0 Type-A ports
- 5. 3.5 mm microphone jack
- 6. Ambient light sensor
- 7. IR sensor
- 8. Home button

- 9. Back button
- 10. Settings button
- 11. Customized button
- 12. Volume up button
- 13. Volume down button
- 14. Power button
- 15. HDMI out port
- 16. USB 2.0 Type-C out port

- 17. USB 3.0 Type-A ports
- 18. Touch USB 3.0 Type-B port
- 19. microSD card slot
- 20. HDMI in ports
- 21. DisplayPort port
- 22. USB 2.0 Type-C port
- 23. VGA port
- 24. S/PDIF port

- 25. 3.5 mm audio out jack
- 26. 3.5 mm audio jack (VGA)
- 27. USB 2.0 Type-A port
- 28. Touch USB 3.0 Type-B port
- 29. Gigabit Ethernet ports
- 30. RS-232 port
- 31. Power switch
- 32. Power input

# VESA specifications



Dimension	65"	75"	86"
A	23.6 in (600 mm)	31.5 in (800 mm)	31.5 in (800 mm)
B	8.7 in (221.7 mm)	7.9 in (200.8 mm)	11.4 in (288.8 mm)
C	15.7 in (400 mm)	15.7 in (400 mm)	23.6 in (600 mm)

Model	RM6505	RM7505	RM8605
<b>Display</b>			
Screen size	65"	75"	86"
Panel type	IPS	IPS	IPS
Resolution	4K UHD 3840 × 2160 pixels	4K UHD 3840 × 2160 pixels	4K UHD 3840 × 2160 pixels
Active area	56.2 × 31.6 inch (1428.5 × 803.5 mm)	64.9 × 36.5 inch (1650.2 × 928.2 mm)	74.4 × 42.0 inch (1895.0 × 1066.0 mm)
Aspect ratio	16:9	16:9	16:9
Panel brightness (typical)	450 nits	450 nits	450 nits
Color depth	10-bit	10-bit	10-bit
Color gamut	72% NTSC	72% NTSC	72% NTSC
Contrast ratio (typical)	1500:1	1500:1	1200:1
Contrast ratio (dynamic)	50,000:1	50,000:1	50,000:1
Response time	8 ms	8 ms	8 ms
Anti-glare	Yes	Yes	Yes
Low blue light	Eyesafe 3.0 (RPF35   CPF35)	Eyesafe 3.0 (RPF35   CPF35)	Eyesafe 3.0 (RPF35   CPF35)
Flicker-free	Yes	Yes	Yes
Germ-resistant technology	Nano-ionic silver	Nano-ionic silver	Nano-ionic silver
Hardness	9H tempered	9H tempered	9H tempered
Backlight life (typical)	50,000 hrs	50,000 hrs	50,000 hrs
<b>Touch</b>			
Touch points	Up to 50	Up to 50	Up to 50
Touch response time	< 5 ms	< 5 ms	< 5 ms
Touch technology	High Precision IR	High Precision IR	High Precision IR

System			
CPU	Arm Cortex-A78 × 2 + A55 × 6	Arm Cortex-A78 × 2 + A55 × 6	Arm Cortex-A78 × 2 + A55 × 6
NPU	10 TOPS	10 TOPS	10 TOPS
GPU	Arm Mali-G57 MC2	Arm Mali-G57 MC2	Arm Mali-G57 MC2
Memory   Storage	8GB   128GB	8GB   128GB	8GB   128GB
Operating system	Android 15 (EDLA)	Android 15 (EDLA)	Android 15 (EDLA)
Connectivity			
USB-C	1 × 3.0 (full-featured PD 65W)   1 × 2.0	1 × 3.0 (full-featured PD 65W)   1 × 2.0	1 × 3.0 (full-featured PD 65W)   1 × 2.0
USB-C out	1 × 2.0 (data, video out, audio out, touch)	1 × 2.0 (data, video out, audio out, touch)	1 × 2.0 (data, video out, audio out, touch)
USB-A	4 × 3.0   3 × 2.0	4 × 3.0   3 × 2.0	4 × 3.0   3 × 2.0
USB-B (touch)	3 × 3.0	3 × 3.0	3 × 3.0
HDMI (in   out)	3 × HDMI 2.0   1 × HDMI 2.0	3 × HDMI 2.0   1 × HDMI 2.0	3 × HDMI 2.0   1 × HDMI 2.0
DisplayPort	1 × DisplayPort 1.2a	1 × DisplayPort 1.2a	1 × DisplayPort 1.2a
VGA	1	1	1
Audio in	1 × 3.5 mm microphone jack 1 × 3.5 mm audio jack (VGA)	1 × 3.5 mm microphone jack 1 × 3.5 mm audio jack (VGA)	1 × 3.5 mm microphone jack 1 × 3.5 mm audio jack (VGA)
Audio out	1 × 3.5 mm earphone jack	1 × 3.5 mm earphone jack	1 × 3.5 mm earphone jack
S/PDIF out	1 (optical)	1 (optical)	1 (optical)
Ethernet	Gigabit	Gigabit	Gigabit
Wi-Fi	Wi-Fi 6 (optional)	Wi-Fi 6 (optional)	Wi-Fi 6 (optional)
Bluetooth®	Bluetooth 5.2 (optional)	Bluetooth 5.2 (optional)	Bluetooth 5.2 (optional)
OPS slot (for slot-in PC)	1	1	1
microSD reader	1	1	1
RS-232	1	1	1

**Built-in peripherals**

Speakers	2 × 25W speakers	2 × 25W speakers	2 × 25W speakers
Microphone	8-microphone array (up to 39 ft   12 m)	8-microphone array (up to 39 ft   12 m)	8-microphone array (up to 39 ft   12 m)
NFC sensor	Yes	Yes	Yes
Ambient light sensor	Yes	Yes	Yes
IR sensor	Yes	Yes	Yes

**Software**

Whiteboarding	EZWrite 6.0	EZWrite 6.0	EZWrite 6.0
Wireless screen sharing	InstaShare 2	InstaShare 2	InstaShare 2
Account management	AMS	AMS	AMS
Device management	DMS	DMS	DMS
Broadcast system	X-Sign Broadcast	X-Sign Broadcast	X-Sign Broadcast
Quick access tool	Floating Tool	Floating Tool	Floating Tool

**Accessories**

Cables	1 × HDMI (9.8 ft   3 m), 1 × USB-B touch (9.8 ft   3 m), 1 × USB-C (4.9 ft   1.5 m)	1 × HDMI (9.8 ft   3 m), 1 × USB-B touch (9.8 ft   3 m), 1 × USB-C (4.9 ft   1.5 m)	1 × HDMI (9.8 ft   3 m), 1 × USB-B touch (9.8 ft   3 m), 1 × USB-C (4.9 ft   1.5 m)
Wall mount	1	1	1
Pens	2	2	2
Remote control	1	1	1

**Power**

ENERGY STAR®	Yes	Yes	Yes
Power	AC 100-240V 50/60 Hz	AC 100-240V 50/60 Hz	AC 100-240V 50/60 Hz
Power consumption (standby)	<0.5W	<0.5W	<0.5W
Power consumption (typical)	83.4W	97.9W	127.6W

**Physical**

Pen holder	Magnetic	Magnetic	Magnetic
Dimensions (W × H × D)	58.6 × 35.6 × 3.9 inch (1488.4 × 903.3 × 98.4 mm)	67.3 × 40.4 × 3.9 inch (1709.4 × 1026.8 × 98.6 mm)	77.0 × 45.9 × 3.9 inch (1957 × 1166.6 × 98.4 mm)
Shipping dimensions (W × H × D)	64.1 × 39.9 × 7.3 inch (1628 × 1014 × 185 mm)	73.3 × 45.2 × 7.3 inch (1863 × 1148 × 185 mm)	83.1 × 50.8 × 7.3 inch (2110 × 1291 × 185 mm)
Weight (product   shipping)	66.6 lbs   86.6 lbs (30.2 kg   39.3 kg)	89.5 lbs   115.9 lbs (40.6 kg   52.6 kg)	112.1 lbs   144.0 lbs (50.8 kg   65.3 kg)
Mount interface   Screws	VESA 600 × 400 mm   4 × M8 × 25L	VESA 800 × 400 mm   4 × M8 × 25L	VESA 800 × 600 mm   4 × M8 × 25L

**Environment**

Operating humidity	10% - 90% RH non-condensing	10% - 90% RH non-condensing	10% - 90% RH non-condensing
Operating temperature	32°F - 104°F   0°C - 40°C	32°F - 104°F   0°C - 40°C	32°F - 104°F   0°C - 40°C
Storage humidity	10% - 90% RH non-condensing	10% - 90% RH non-condensing	10% - 90% RH non-condensing
Storage temperature	-4°F - 140°F   -20°C - 60°C	-4°F - 140°F   -20°C - 60°C	-4°F - 140°F   -20°C - 60°C



Dealer's Stamp