

EDLA BenQ Board

MASTER series | RM05

Google-certified AI-powered interactive display



Google for Education Partner

8 x Array Microphone
(pickup range: up to 12m)

2 x 25W speaker

NFC Sensor
Quick login
Tap and teach

- Octa Core SoC**
The most powerful IFP SoC
Made in Taiwan, powered by TSMC
- 10 TOPS**
High computing performance for AI processing 0.10 trillion operations per second
- Android 15**
The latest & most secure update
- 8GB RAM, 128GB storage**
Good performance with plenty of storage
- BenQ AI Tools**
BenQ AI Tools make learning easier and more enjoyable
- Whiteboarding solution**
Teach on a powerful whiteboard using any device, from any location by EZWrite 6
- Wireless casting solution**
InstaShare 2 can share ideas seamlessly with wireless projection compatible with all devices

- 50 Touch Points**
Unleash your creativity
- NFC sensor**
Access your account in seconds
- Micro SD Card slot**
Adding memory as you need
- Built-in Microphone**
x 8, pickup up to 12m
AI echo cancellation
- 50W Built-in Speaker**
25W x 2 speakers
- Audio Equalizer**
Enables teachers to customize the sound effect based on the content

- 5-in-1 Type-C 65W PD**
480Mbps data transfer, video, audio, touch, and 100W power charging
- Built-in Wi-Fi /Bluetooth**
To connect with network with ease
- High LAN Speed**
2x Gigabit LAN (RJ45)

ClassroomCare®

Teach Your Way
in the healthiest digital classroom

Eye-Care solutions

eyesafe® 3.0 certified RPF35, CPF35

Reduces harmful blue light without sacrificing color accuracy, also with circadian care.

- ✓ Anti-glare
- ✓ Flicker free
- ✓ Low blue light



Germ-resistant

- ✓ Screen
- ✓ Stylus
- ✓ Remote Control
- ✓ Keypad
- ✓ Front I/O ports



Certified Dust-proof



Energy Star

Love the earth, lower energy bills



DISPLAY	
Diagonal Size	65", 75", 86"
Display Technology	Zero Bonding
Backlight / Panel Type	DLED / IPS
Aspect Ratio	16:9
Resolution	3840 x 2160 (4K UHD)
Brightness (typical)	450 nits
Contrast Ratio (typical)	65", 75" : 1500:1 ; 86" : 1200:1
Contrast Ratio (dynamic)	50000:1
LCD Viewing Angle (H/V)	178°/178°
Panel Refresh Rate	60 Hz
Response Time	≤8 ms
Panel Bit	10-bit
Panel Lifespan	≥50,000 hours
Operating Hour	18/7
Glass Hardness	9H
Glass Type	Heat-tempered 3.2 mm
Germ-Resistant Technology	Nano-ionic silver
Panel Surface	Anti-Glare, Haze 25%
Display Orientation	Landscape
TOUCH	
Touch Technology	High Precision IR
Accuracy	±1.0 mm
Max Touch Points	50 for Windows; 50 for Android
Touch Resolution	32767 x 32767 px
Object Recognition Range	≥ 2 mm
Touch Response Time	< 5 ms
Touch Interface	USB-B 3.0 x 3
Compatibility	Windows11/Windows10/Windows8/Windows7/ macOS/Linux/Android/Chrome OS

COMPUTING		
Operating System	Android 15.0 (*upgradable to Android 16.0)	
CPU	Octa-Core (A78 x 2 + A55 x 6)	
GPU	Arm Mali-G57 MC2	
NPU	10 TOPS	
Memory	8GB	
Storage	128GB	
AUDIOVISUAL		
Built-in Speaker	50 Watts (25W x 2)	
Array Microphone	x 8 (Max. pickup range: 12M) AI echo cancellation	
CONNECTIVITY	Front	Rear
HDMI In 2.0	x 1	x 2
HDMI Out 2.0		x 1
Display Port 1.2a		x 1
VGA In		x 1
VGA Audio In		x 1
USB-A 3.0 (High speed data transfer & power supply)	x 2	x 2
USB-A 2.0		x 3
USB-B 3.0 (Touch)	x 1	x 2
USB Type-C 3.0 (5-in-1, 480Mbps data transfer, video out, audio out, touch, 65W PD)	x 1	
USB Type-C 2.0 (4-in-1, DP, data transfer, touch, 5W PD)		in x 1, out x 1
Mic In (3.5 mm)	x 1	
RS232		x 1
POWER		
Power Supply	AC 100 to 240V, 50 to 60 Hz	
Power Consumption (typical)	65": 83.4W; 75": 97.9W; 86": 127.6W	

CONNECTIVITY	Front	Rear
Earphone (3.5 mm)		x1
SPDIF (optical)		x1
Power (AC) Inlet		x1
OPS Slot		x1
Wake-on-LAN	Yes	
LAN In/Out (RJ45)	x 2 OPS: 10/100/1000 Mbps; Android: 10/100/1000 Mbps	
Wi-Fi 6.0	Included	
Bluetooth 5.2	Included	

SENSORS		
NFC Sensor		x1
Motion Sensor		x1
Light Sensor		x1
IR Receiver		x1

ACCESSORIES
 Remote Control, Power Code (By Region), Stylus x 2, Quick Start Guide, Regulation Sheet, Touch USB Cable, HDMI Cable, Type-C Cable, Wall Mount

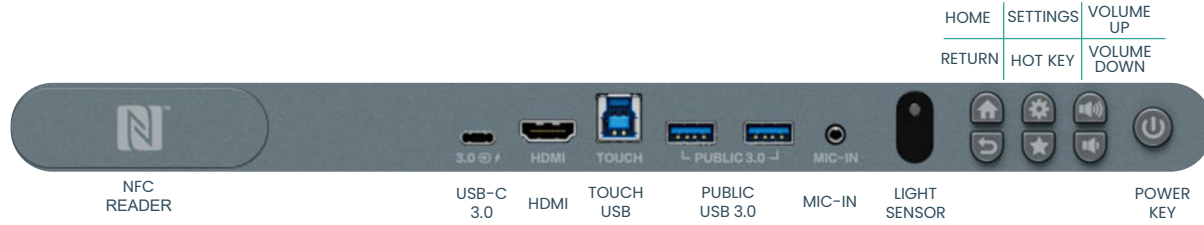
DISPLAY LANGUAGES
 English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese / Thai / Persian / Vietnamese / Korean / Turkish / Indonesian / Hebrew / Catalan (29L)

SOFTWARE/SOLUTIONS	
Device Management Solution	DMS 3.0
Account Management Solution	AMS
Broadcasting Solution	X-Sign Broadcast
Wireless Casting Solution	InstaShare 2
Whiteboarding Solution	EZWrite 6
Split Screen	Yes
Floating Tool	Yes
Class Recording	Yes
Scalable Canvas	Yes
OCR (Optical Character Recognition)	Yes, 37 Languages
TTS (Text to Speech)	Yes, 67 Languages
Text Translation	Yes, 59 Languages
Handwriting Recognition	Yes, 52 Languages
Ask AI	Yes
Lasso Search	Yes
Circle to Artify	Yes
AI Guardian	Yes
Co-annotation via Intranet	Cloud Whiteboard
Co-annotation via Internet (Web browser)	EZWrite 6 Web

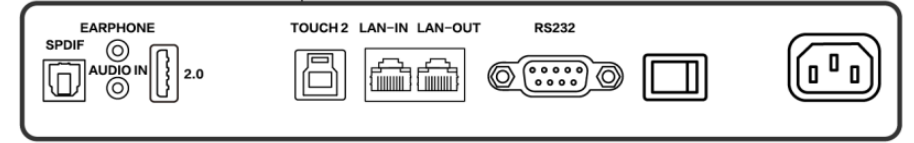
OPTIONAL ACCESSORIES
 Camera / Trolley / OPS / BYOD, BYOM Kit / MTR Kit

Model	RM6505	RM7505	RM8605
Dimension (WxHxD) (Without Packing/With Packing)	1488.4x903.3x98.4 mm/ 1628x1014x185 mm	1709.4x1026.8x98.6 mm/ 1863x1148x185 mm	1957.0x1166.6x98.4 mm/ 2110x1291x185 mm
Net Weight/Gross Weight	30.2 kg/39.3 kg	40.6 kg/52.6 kg	50.8kg/65.3kg
VESA Mount/Screws	600 x 400 mm/4 - M8 x 25mm	800 x 400 mm/4 - M8 x 25mm	800 x 600 mm/4 - M8 x 25mm

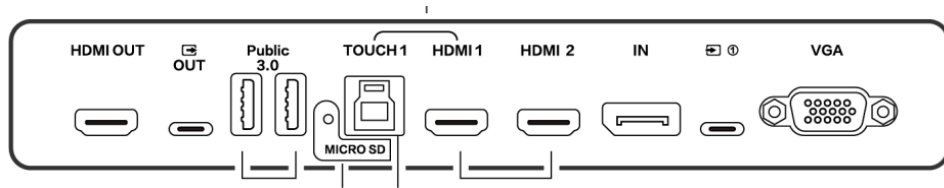
FRONT



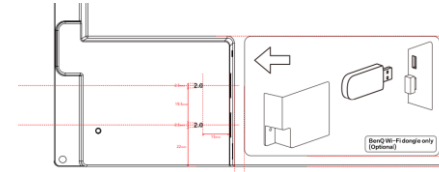
BOTTOM



SIDE

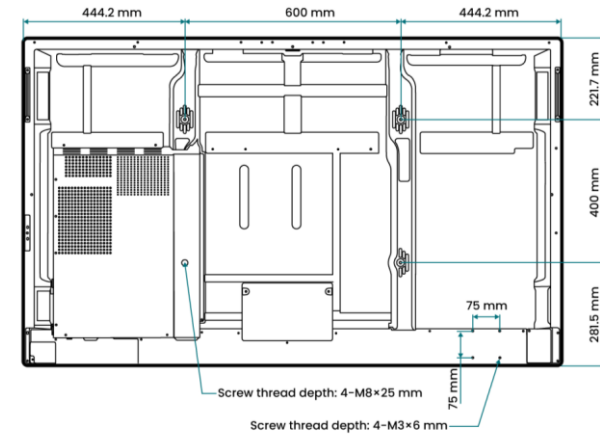
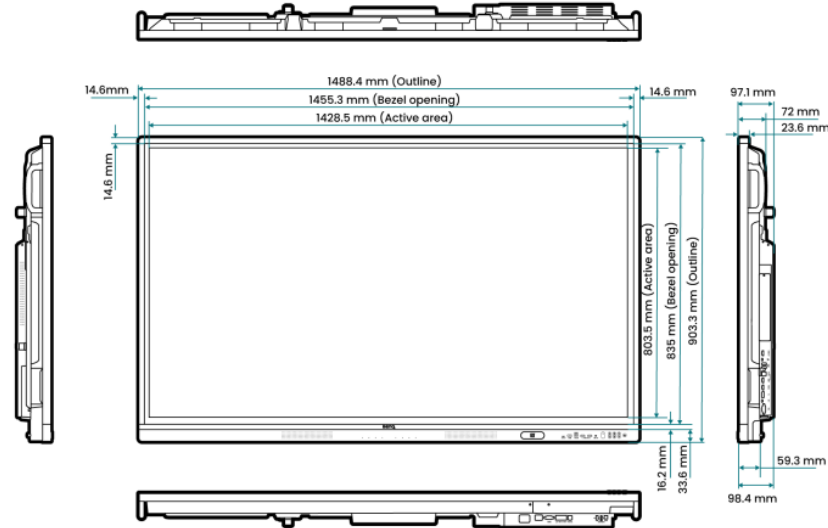


SIDE REAR Wi-Fi PORT

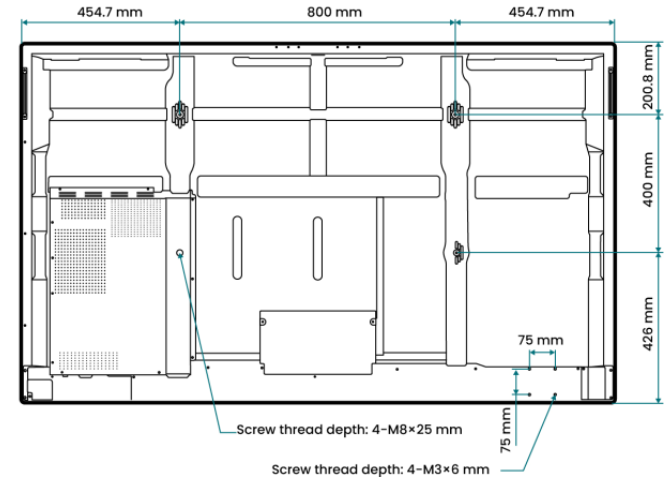
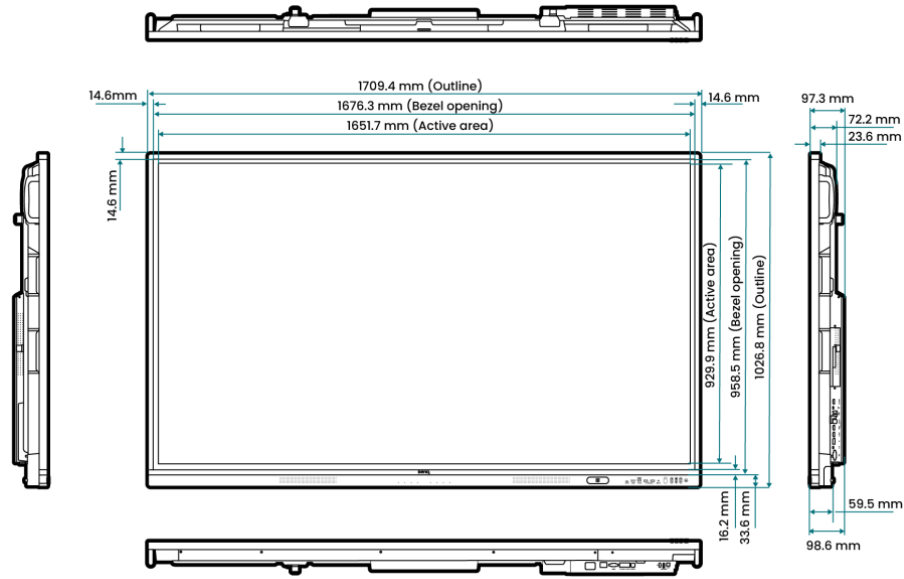


DIMENSION & WALLMOUNT

RM6505



RM7505



RM8605

