

# EDLA BenQ Board

ESSENTIAL series | RE04



**Octa Core SoC**  
Excellent performance



**Android 13**  
The latest & most secure update



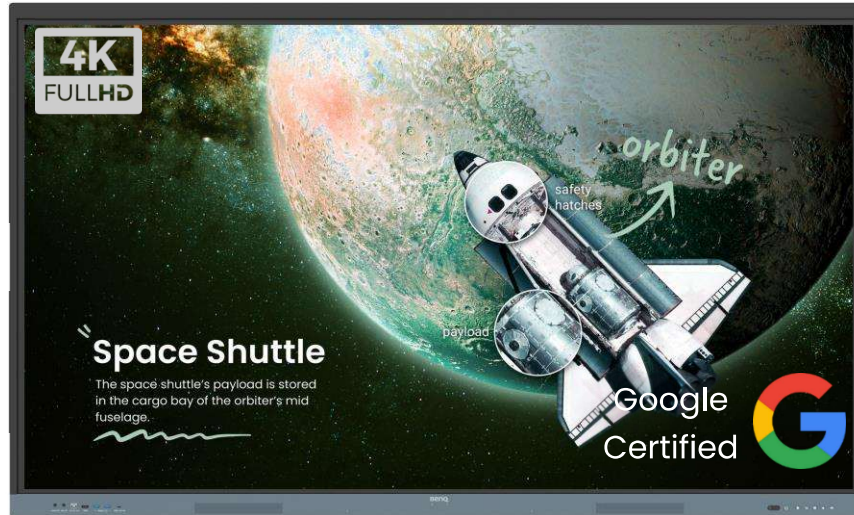
**40W Built-in Speaker**  
20W x 2 speakers



**40 Touch Points**  
Unleash your creativity



**5-in-1 Type-C 65W PD**  
Display, audio, touch, data, and 65W power charging



**ClassroomCare®**



**SIAA Certified for Touchscreen**  
Antimicrobial property, safety, and appropriate



**Germ-Resistant, Eyecare**  
Safe-to-Touch for touchscreen  
Eyecare for Low Blue Light, Flicker Free



**IP5X Dust Proof**  
To ensure consistent operation  
IEC standard 60529



**Energy Star**  
Lower energy bills

## DISPLAY

Diagonal Size	65", 75", 86"
Display Technology	Zero Bonding
Backlight	DLED
Aspect Ratio	16:9
Resolution	3840 x 2160 (4K)
Brightness (typical)	450 cd/m2
Contrast Ratio (typical)	1200:1
Contrast Ratio (dynamic)	30000:1
LCD Viewing Angle	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, 65"/75" Haze: 25%, 86" Haze: 28%
Display Orientation	Landscape

TOUCH	
Touch Technology	Precision IR
Accuracy	±1.0 mm (middle 90% touch area)
Max Touch Points	40 for Windows®, 32 for Android
Touch Resolution	32767 x 32767 px
Object Recognition Range	≥ 3.5 mm
Touch Response Time	< 5 ms
Touch Interface	USB-B 2.0 x 2
Compatibility	Windows10/Windows8/Windows7/ macOS/Linux/Android/Chrome OS

COMPUTING	
Operating System	Android 13 (Tiramisu)
CPU	Octa-Core (A73 x 4 + A53 x 4)
GPU	Mali™-G52 MP8
Memory	8GB
Storage	32GB (up to 544GB)

AUDIOVISUAL	
Built-in Speaker	40 Watts (20 W x 2)
Array Microphone	NA
Camera	Optional

CONNECTIVITY	Front	Rear	Bottom
HDMI In 2.0	x 1	x 2	
HDMI Out 2.0		x 1	
Display port 1.2a		x 1	
VGA In			x 1
PC Audio In			x 1
USB-A 3.0 (High speed data transfer & power supply)	x 2		
USB-A 2.0		x 2	
USB-B 3.0 (Touch)	x 1	x 1	
USB Type-C 3.0 (5-in-1, 65W PD)	x 1		
USB Type-C 2.0 (Data transfer)		x 1	
Mic In (3.5 mm)	x 1		
RS232			x 1
Earphone (3.5 mm)	x 1		
SPDIF (optical)			x 1
Power (AC) Inlet			x 1
OPS Slot		x 1	
SD Card Slot (*with protecting cover)		x 1	
Wake-on-LAN		Yes	
		x 2	
LAN In/Out (RJ45)		OPS: 10/100/1000 Mbps Android: 10/100/1000 Mbps	
Wi-Fi 6.0 (*with protecting cover)		Optional	
Bluetooth 5.2		Optional	

**SENSORS**

NFC Sensor	NA
Motion Sensor	NA
Air Ionizer	NA
Indoor Air Quality Sensor	NA
Light Sensor	x 1
IR receiver	x 1

**POWER**

Power Supply	AC 100 to 240V, 50 to 60 Hz
Power consumption (typical)	65": 66.7W; 75": 73.9W; 86": 106.8W

**DISPLAY LANGUAGES**

English/French/German/Dutch/Polish/Russian/Czech/Danish/Swedish/Italian/Romanian/Finnish/Norwegian/Greek/Hungarian/Spanish/Portuguese/Turkish/Traditional Chinese/Simplified Chinese/Arabic/Japanese/Thai/Persian/Korean/Vietnamese/ Indonesian/Hebrew (28L)

**SOFTWARE/SOLUTIONS**

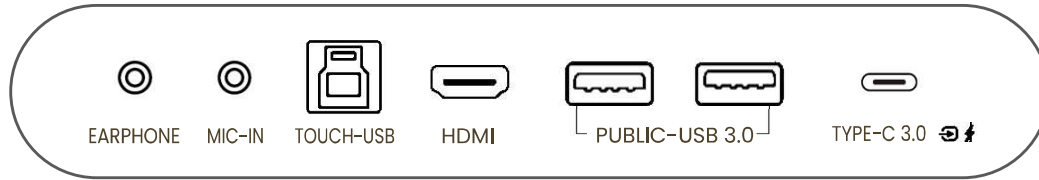
Device Management Solution	DMS 3.0
Account Management Solution	AMS
Broadcasting Solution	X-Sign Broadcast
Wireless Casting Solution	InstaShare 2
Whiteboarding Solution	EZWrite 6
Floating Tool	Yes
Class Recording	Yes
Scalable canvas	Yes
Handwriting recognition	49 Languages
Co-annotation via intranet	Cloud Whiteboard
Co-annotation via internet (Web browser)	EZWrite 6 Web

**ACCESSORIES**

Remote Control, Power Code (By Region), Stylus x 2, Quick Start Guide, Regulation Sheet, Touch USB Cable, HDMI Cable, VGA (D-sub 15pin) Cable, Type-C Cable, Wall Mount

Model	RE6504	RE7504	RE8604
Dimension (WxHxD) (Without Packing/With Packing)	1482.1 × 907.3 × 87.7 mm/ 1640 × 1010 × 185 mm	1716.5 × 1041.6 × 87.7 mm/ 1860 × 1125 × 185 mm	1962.4×1174.9×87.1 mm/ 2095×1265×185 mm
Net Weight/Gross Weight	36.4 kg/49.4 kg	50.2 kg/64.9 kg	63.4 kg/80.2 kg
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 I/O



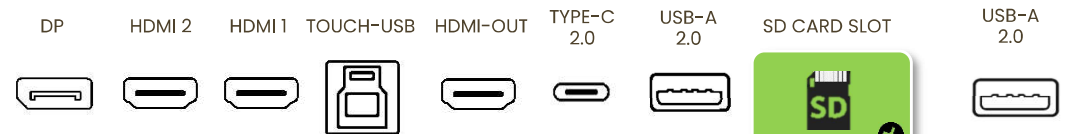
FRONT BUTTON



BOTTOM I/O



REAR I/O

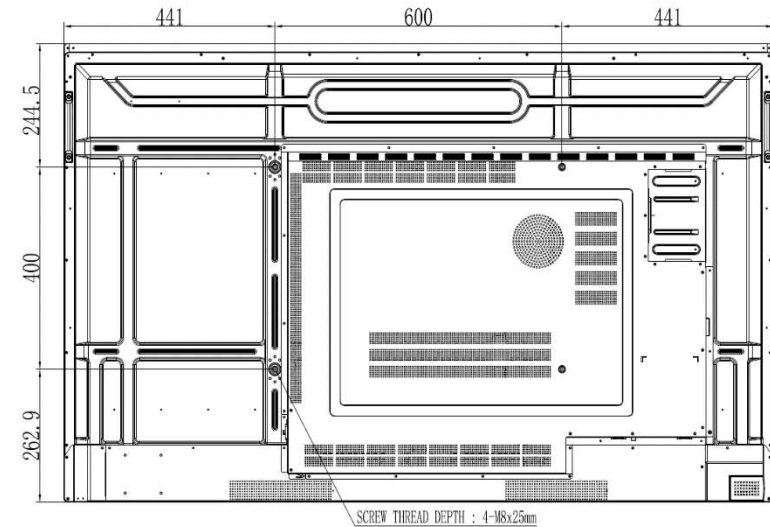
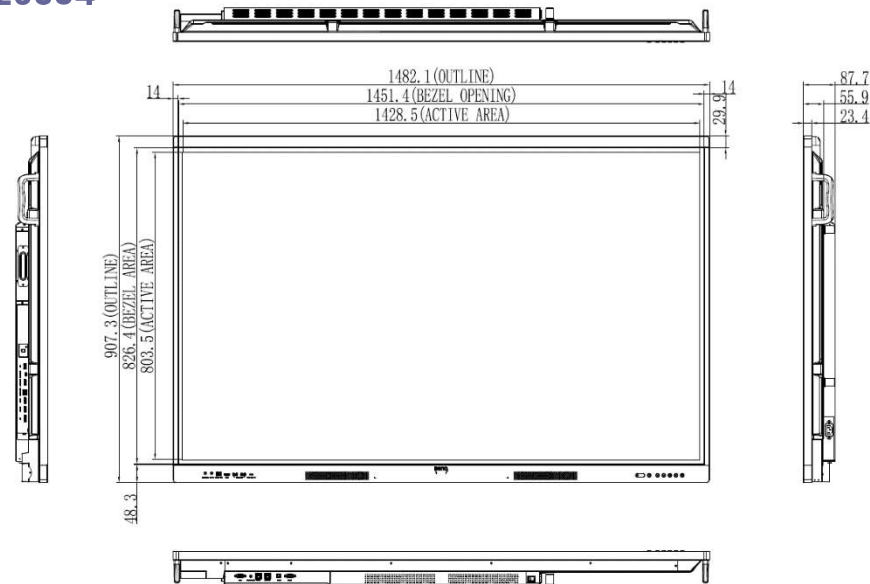


Wi-Fi PORT

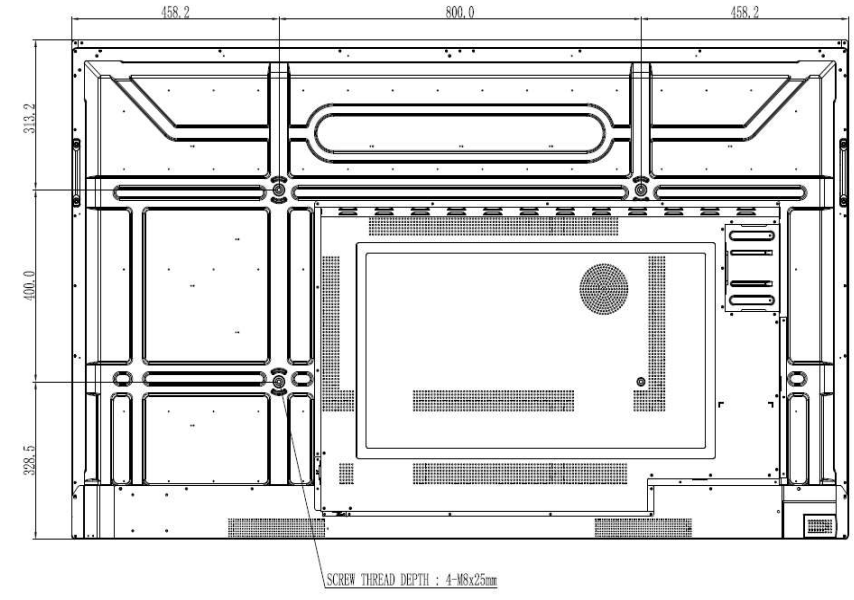
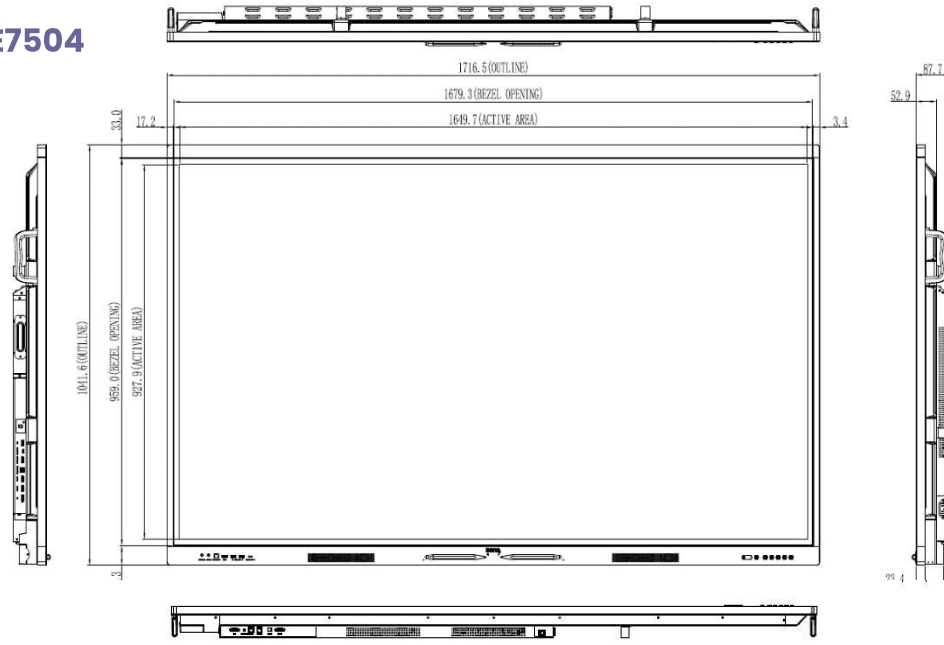
\*with SD card cover \*with dongle cover

DIMENSION & WALLMOUNT

RE6504



RE7504



RE8604

