

EDLA BenQ BoardESSENTIAL series | **RE6504A1****Quad-core SoC**

Excellent performance

**Android 14**

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"
Display Technology	Zero Bonding
Backlight / Panel Type	DLED / IPS
Aspect Ratio	16:9
Resolution	3840 x 2160 (4K)
Brightness (typical)	450 cd/m2
Contrast Ratio (typical)	1,200:1
Contrast Ratio (dynamic)	50,000:1
LCD Viewing Angle	178°

Color Gamut	72% NTSC
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, Heat-tempered 3.2 mm
Germ-Resistant Technology	Nano-ionic silver
Panel Surface	Anti-Glare
Display Orientation	Landscape

PRODUCT SPECIFICATION



TOUCH

Touch Technology	Precision IR
Accuracy	±1.0 mm (middle 90% touch area)
Max Touch Points	Up to 40
Touch Resolution	32768 x 32768 px
Touch Response Time	< 5 ms
Touch Interface	USB-B 2.0 x 2
Compatibility	Windows 7/8/10/11 / macOS/Linux/Android/Chrome OS

COMPUTING

Operating System	Android 14 (EDLA)
CPU	Quad-Core (A73 x 4)
GPU	G52 2EE MC1
Memory	8 GB
Storage	64 GB

AUDIOVISUAL

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

CONNECTIVITY

	Front	Rear	Bottom
HDMI In 2.0	x 1	x 2	
HDMI Out 2.0		x 1	
Display port 1.2a			NA
VGA In			NA
Mic in			x 1
USB-A 3.0 (High speed data transfer & power supply)	x 3	x 1	
USB-A 2.0		x 1	
USB-B 2.0 (Touch)	x 1	x 1	
USB Type-C	3.0 x 1 (PD 65W)	2.0 x 1 (data)	
RS232			x 1
Earphone (3.5 mm)			x 1
SPDIF out (optical)			x 1
Power (AC) Inlet			x 1
OPS Slot		x 1	
SD Card Slot with cover		x 1	
Wake-on-LAN/HDMI		Yes	
		x 2	
LAN In/Out (RJ45)		OPS: 10/100/1000 Mbps Android: 10/100/1000 Mbps	
Wi-Fi 6.0		In-Built	
Bluetooth 5.2		In-Built	

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": 114.78W; 75": 132.82W; 86": 157.15W

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 (HWR)	49 Languages
Text to Speech (TTS)	67 Languages
Text Translation	59 Languages
Optical Character Recognition (OCR)	37 Languages
Co-annotation via intranet	Cloud Whiteboard
Co-annotation via internet (Web browser)	EZWrite 6 Web

ACCESSORIES

Remote Control, Power Cord (by region), Stylus x 2, Quick Start Guide, Regulation Sheet, Touch USB Cable, HDMI Cable, Type-C Cable, Wall Mount

Model	RE6504A1
Dimension (W x H x D)	1482.1 x 87.7 x 891.4mm /
(Without Packing/With Packing)	1640.0 x 185.0 x 1010.0 mm
Net Weight/Gross Weight	36.6 KG/49.5 KG

100

BenQ

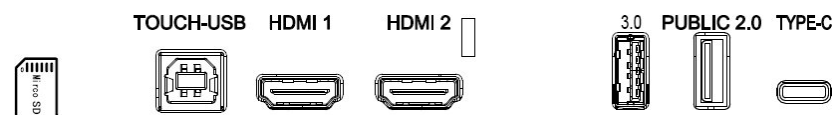
VESA Mount/Screws

VESA 600 x 400 mm/ M8*25L x 4

FRONT I/O



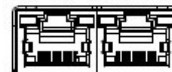
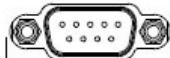
REAR I/O



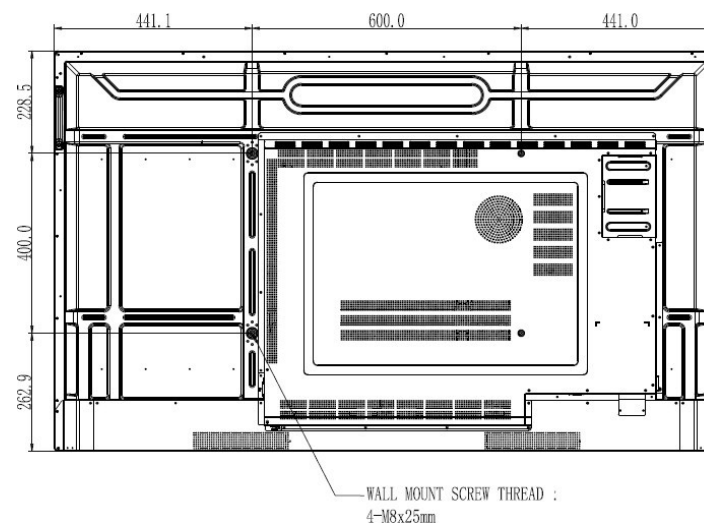
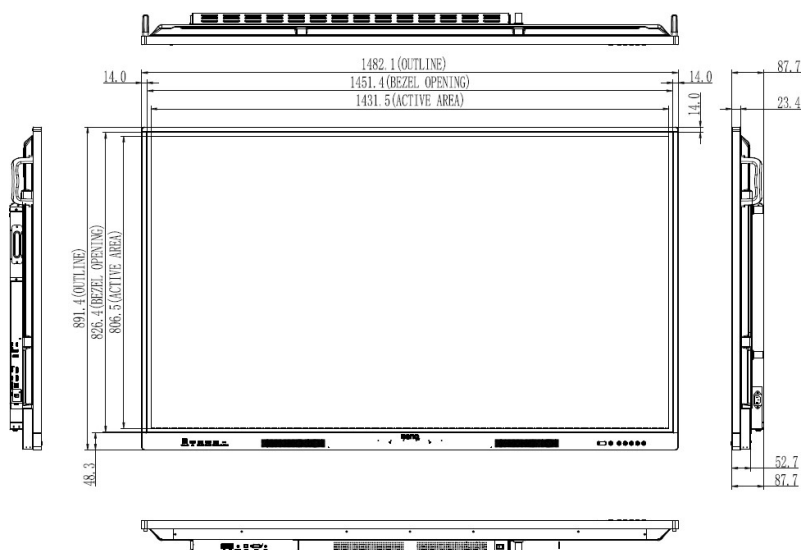
BOTTOM I/O



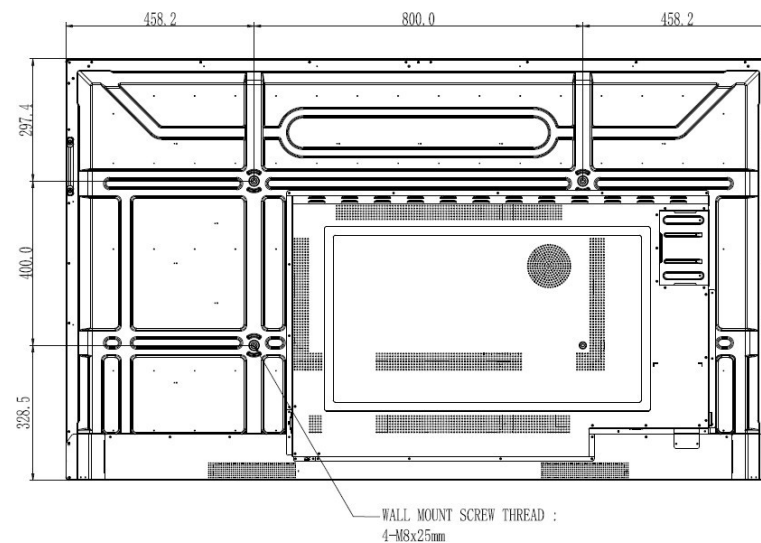
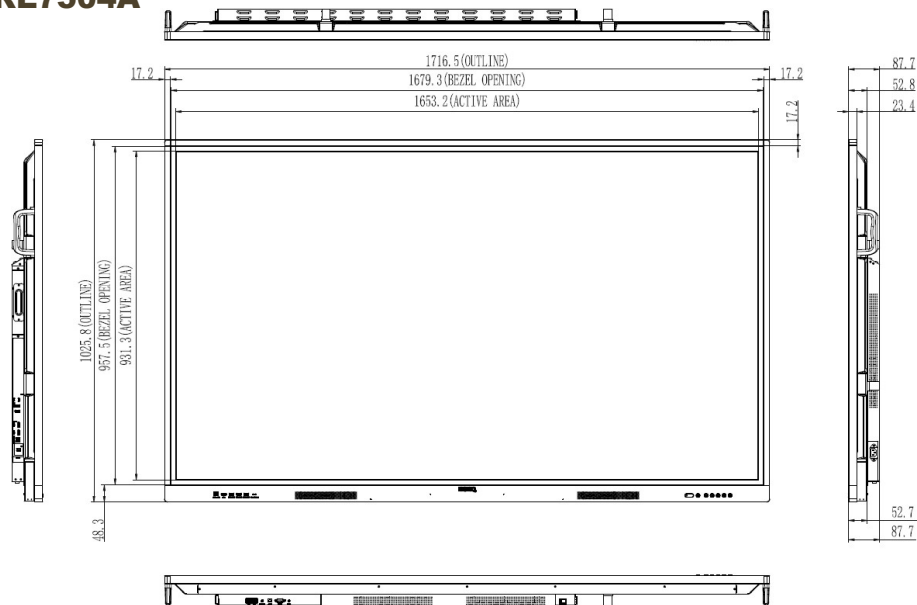
*Note: HDMI-OUT is optional



DIMENSION & WALLMOUNT

RE6504A

RE7504A



RE8604A

