

# EDLA BenQ Board

All-in-One | RE04FV



**Octa Core SoC**  
Excellent performance



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



**NFC Sensor**  
Log in with ease



**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



**Built-in Camera**  
4K UHD, 13MP, with privacy cover  
Auto Focus, Anti-Flicker 50/60HZ



**Omnidirectional Microphone**  
x 8, pickup range 8M. (max)  
Echo cancellation, noise suppression



**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/m <sup>2</sup>
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
Display Orientation	Landscape

**TOUCH**

Touch Technology	Precision IR
Accuracy	±1.0 mm (middle 90% touch area)
Max. Touch Points	Up to 40
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	x 8 (max. range 8M) Echo cancellation / Noise suppression
Built-in Camera	4K UHD / 13MP Auto focus / privacy cover Compression format: MJPEG, H.264, H.265, YUV HFOV: Horizontal 116°, Vertical 98.3°, Diagonal 80.8°

**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	Yes
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**

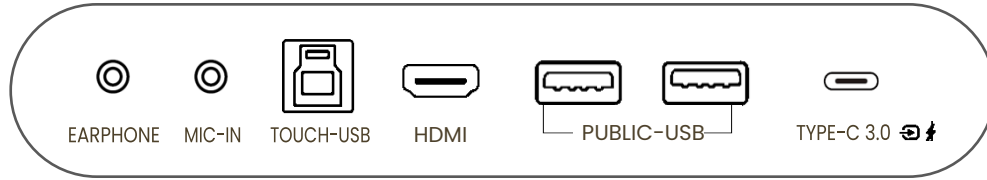
Device Management Solution	DMS 3.0
Account Management Solution	AMS
Broadcasting Solution	X-Sign Broadcast
Wireless Casting Solution	InstaShare 2
Whiteboarding Solution	EZWrite 6
Floating Tool	Yes
Class Recording	Yes
Scalable canvas	Yes
Handwriting recognition	49 Languages
Co-annotation via intranet	Cloud 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	RE6504FV	RE7504FV	RE8604FV
Dimension (WxHxD)	1482.1 × 907.3 × 87.7 mm/	1716.5 × 1041.6 × 87.7 mm/	1962.4×1174.9×87.1 mm/
(Without Packing/With Packing)	1640 × 1010 × 185 mm	1860 × 1125 × 185 mm	2095×1265×185 mm
Net Weight/Gross Weight	36.7 kg/49.7 kg	50.5 kg/65.2 kg	63.7 kg/80.5 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

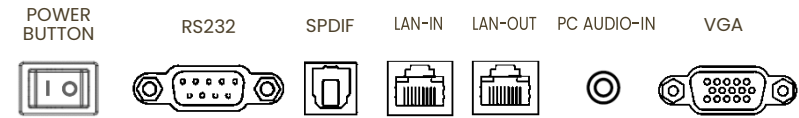
FRONT I/O



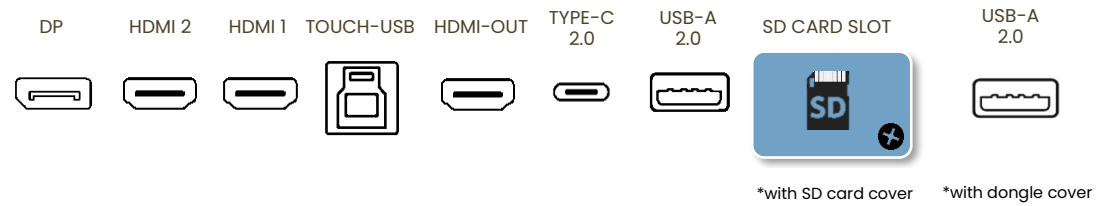
NFC READER & FRONT BUTTONS



BOTTOM I/O



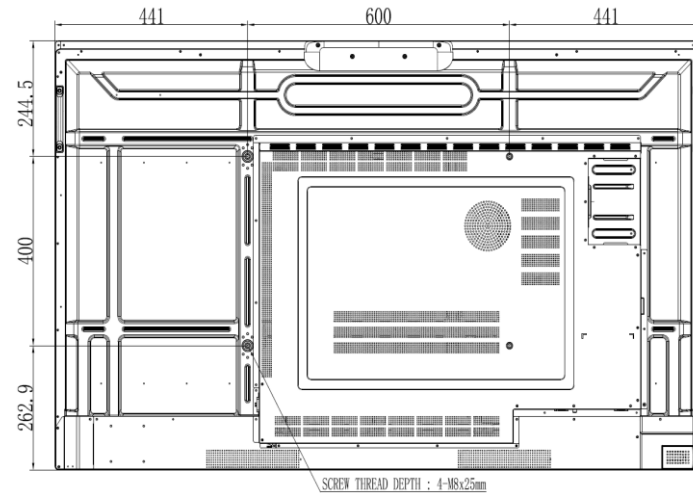
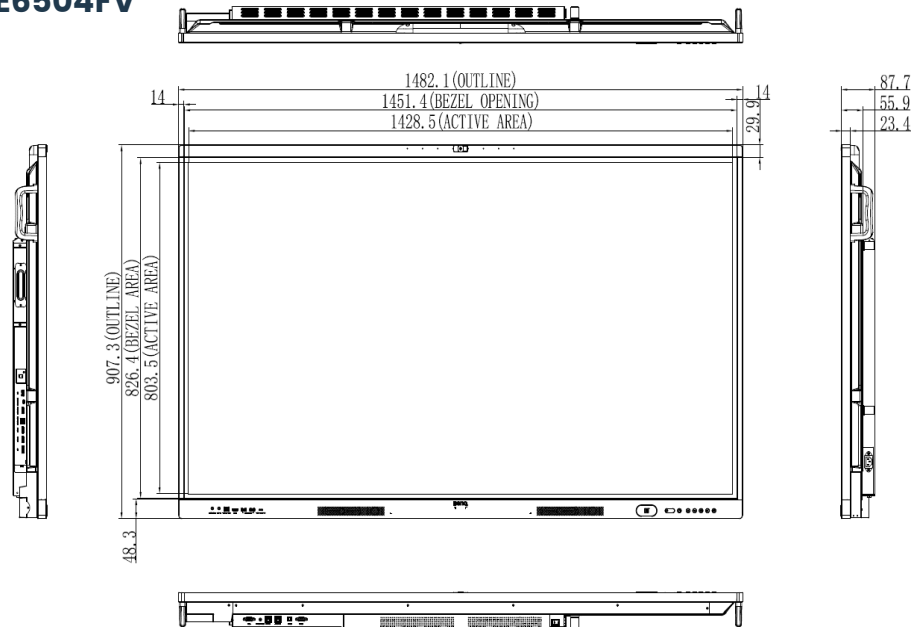
REAR I/O



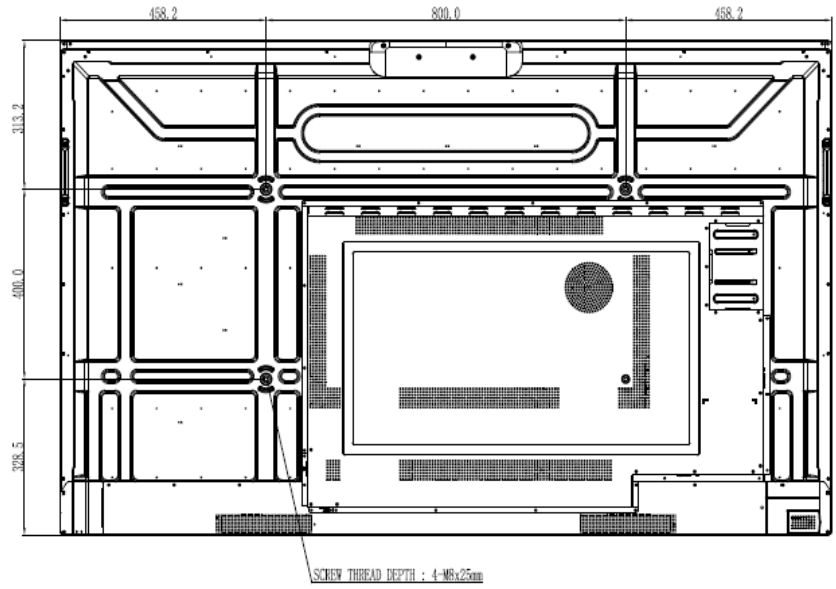
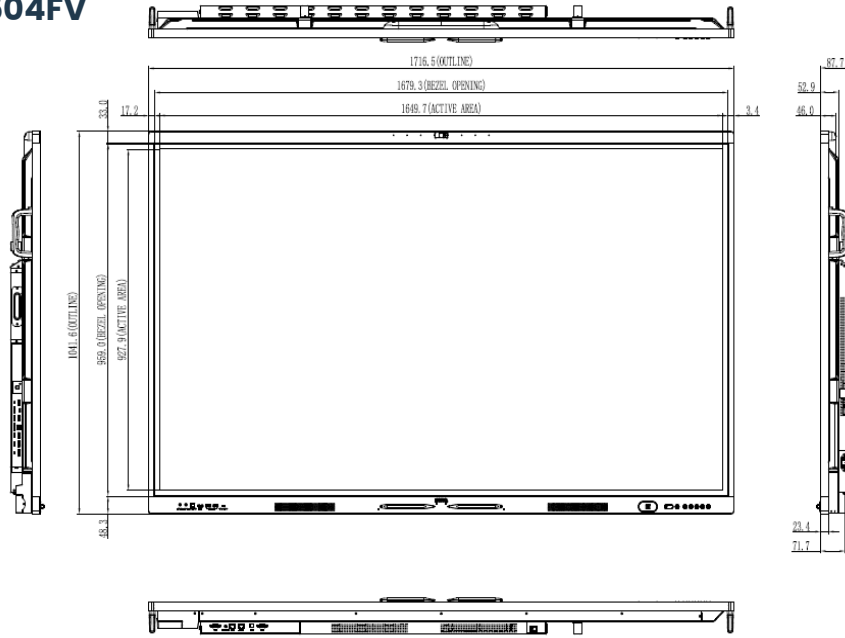
Wi-Fi PORT

DIMENSION & WALLMOUNT

RE6504FV



RE7504FV



RE8604FV

