

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



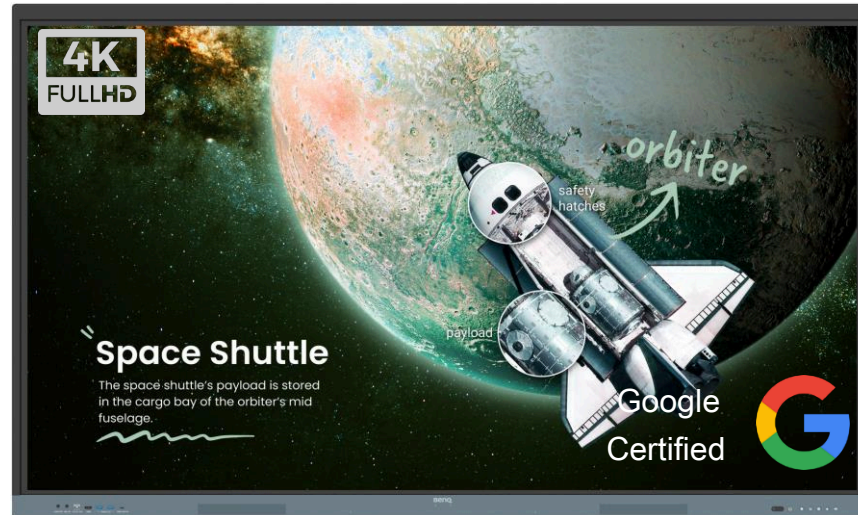
40 Touch Points

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

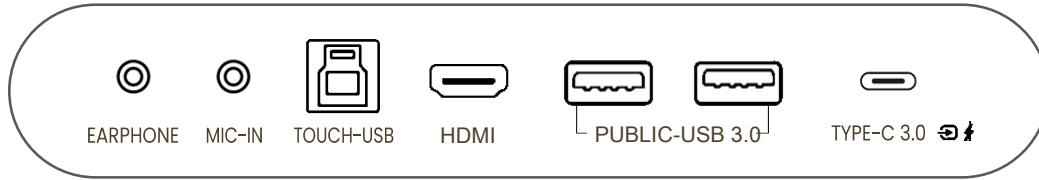
Device Management Solution	DMS 3.0
Account Management Solution	AMS
Broadcasting Solution	X-Sign Broadcast
Wireless Casting Solution	InstaShare 2
Whiteboarding Solution	EZWrite 6
Floating Tool	Yes
Class Recording	Yes
Scalable canvas	Yes
Handwriting recognition	49 Languages
Co-annotation via intranet	Cloud 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)	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	36.4 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

