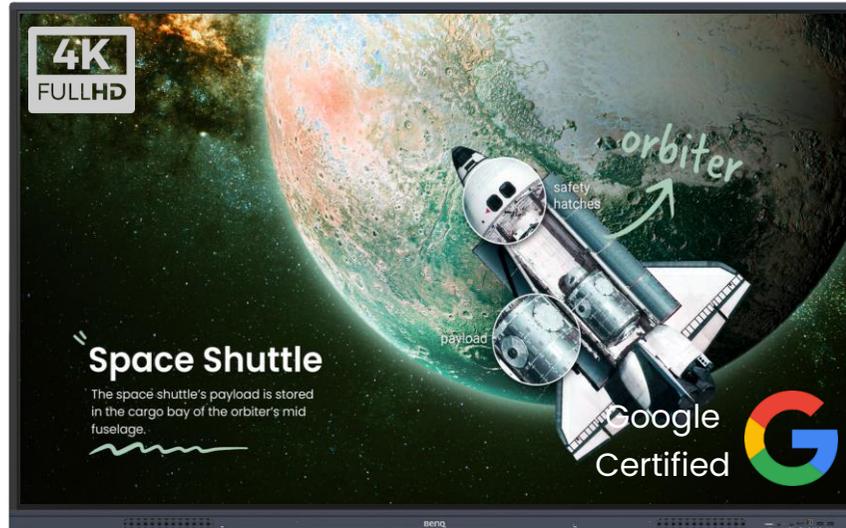**BenQ**

EDLA BenQ Board
ESSENTIAL series | RE04N

Quad-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

4K FULLHD

Space Shuttle
The space shuttle's payload is stored in the cargo bay of the orbiter's mid fuselage.

orbiter
safety hatches
payload

Google Certified

ClassroomCare®

SIAA Certified for Touchscreen
Antimicrobial property, safety, and appropriate

SIAA ISO 22196 for KOHKIN

Germ-Resistant, Eyecare
Safe-to-Touch for touchscreen, buttons, touch pen, remote control
Eyecare for Low Blue Light, Flicker Free

TÜVRheinland CERTIFIED

IP5X Dust Proof
To ensure consistent operation
IEC standard 60529

SGS

DISPLAY

Diagonal Size	65", 75", 86"	Color Gamut	72% NTSC
Display Technology	Zero Bonding	Panel Refresh Rate	60 Hz
Backlight	DLED	Response Time	8 ms
Aspect Ratio	16:9	Panel Bit	10-bit
Resolution	3840 x 2160 (4K)	Panel Lifespan	50,000 hours
Brightness (typical)	400 cd/m2	Operating Hour	18/7
Contrast Ratio	65": 5000:1, 75": 5500:1, 86":4000:1	Glass Hardness	9H, Heat-tempered 3.2 mm
Dynamic Contrast Ratio	30000:1	Germ-Resistant Technology	Nano-ionic silver
LCD Viewing Angle	178°	Panel Surface	Anti-Glare, Haze 25%
		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 mm
Touch Response Time	< 10 ms
Touch Interface	USB-B 2.0 x 2
Compatibility	Windows 7/8/10/11/XP macOS/Linux/Android/Chrome OS

COMPUTING

Operating System	Android 13 (Tiramisu)
CPU	Quad-Core (A55 x 4)
GPU	Mali™-G52 MP2
Memory	8GB
Storage	64GB

AUDIOVISUAL

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

CONNECTIVITY

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			x 1
PC Audio In			x 1
USB-A 3.0 (High speed data transfer & power supply)	x 2	x 2	
USB-A 2.0		x 1	
USB-B 2.0 (Touch)	x 1	x 1	
USB Type-C 3.1 (5-in-1, 65W PD)	x 1		
RS232		x 1	
Earphone (3.5 mm)			x 1
SPDIF out (optical)			x 1
Power (AC) Inlet			x 1
OPS Slot		x 1	
Wake-on-LAN/HDMI/VGA		Yes	
LAN In/Out (RJ45)		x 2 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)	TBD

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, Wi-Fi Dongle Cover
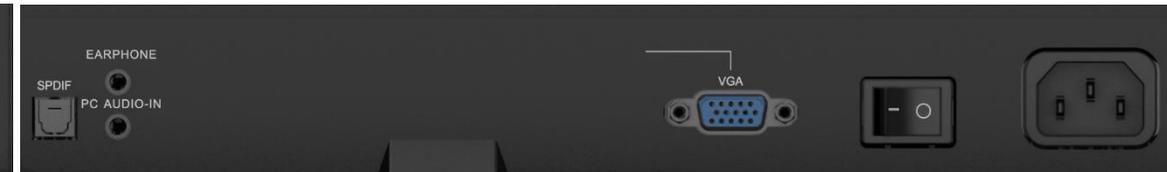
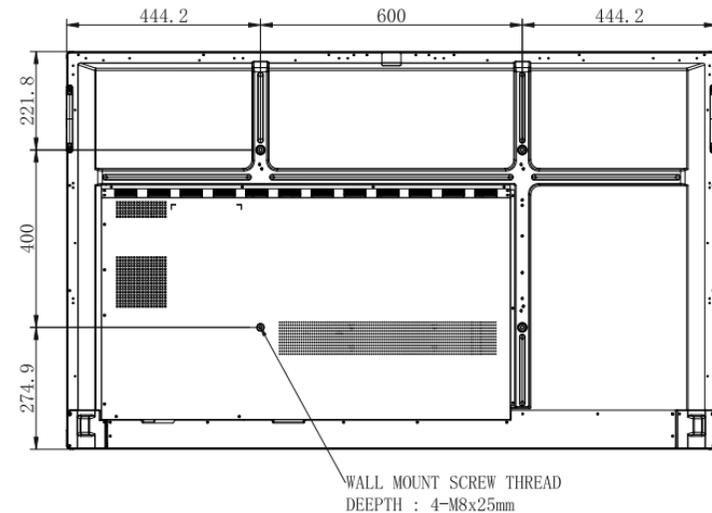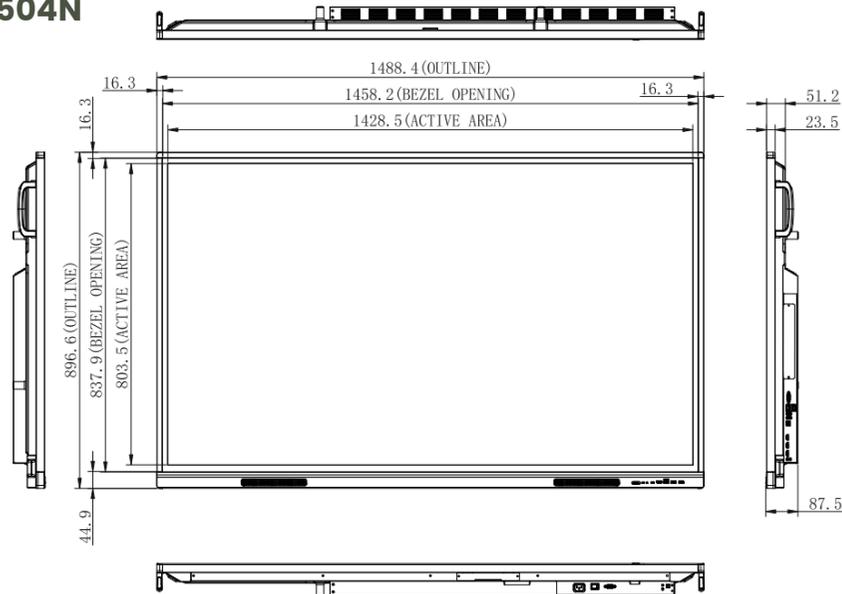| Model	RE6504N	RE7504N	RE8604N
Dimension (WxHxD) (Without Packing/With Packing)	1488.4 × 896.6 × 87.5 mm/ 1628 × 1005 × 208 mm	1709.4 × 1020.2 × 87.7 mm/ 1863 × 1140 × 225 mm	1957 × 1159.9 × 99.7 mm/ 2110 × 1283 × 225 mm
Net Weight/Gross Weight	34.95 kg/44.70 kg	47.30 kg/60.55 kg	58.55 kg/75.90 kg
VESA 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

BenQ

FRONT BUTTON & I/O

| ⏻ | IR RECEIVER | LIGHT SENSOR | 3.1 ⚡ | HDMI 3 | TOUCH 2 | PUBLIC 3.0 | PUBLIC 3.0 |

REAR I/O

RS232 | LAN IN/OUT | PUBLIC 3.0 | PUBLIC 3.0 | TOUCH 1 | HDMI 1 | HDMI 2 | HDMI-OUT | 2.0

Wi-Fi PORT
*with dongle cover

BOTTOM I/O

EARPHONE | SPDIF | PC AUDIO-IN | VGA

DIMENSION & WALLMOUNT

RE6504N

1488.4 (OUTLINE)
1458.2 (BEZEL OPENING)
1428.5 (ACTIVE AREA)
16.3
16.3
51.2
23.5

896.6 (OUTLINE)
837.9 (BEZEL OPENING)
803.5 (ACTIVE AREA)
44.9
87.5

444.2 | 600 | 444.2
221.8
400
274.9

WALL MOUNT SCREW THREAD
DEEPTH : 4-M8x25mm

RE7504N

- 1709.4 (OUTLINE)
- 1676.3 (BEZEL OPENING)
- 1649.7 (ACTIVE AREA)
- 16.3
- 16.3
- 16.3
- 53.4
- 23.5
- 1020.2 (OUTLINE)
- 958.6 (BEZEL OPENING)
- 927.9 (ACTIVE AREA)
- 44.9
- 87.7
- 454.7
- 800
- 454.7
- 200.8
- 400
- 419.4
- SCREW THREAD DEPTH : 4-M8x25mm

RE8604N

- 1957 (OUTLINE)
- 1923.9 (BEZEL OPENING)
- 1897 (ACTIVE AREA)
- 16.3
- 16.3
- 16.3
- 67.4
- 23.6
- 1159.9 (OUTLINE)
- 1098.3 (BEZEL OPENING)
- 1087 (ACTIVE AREA)
- 44.9
- 99.7
- 578.5
- 800
- 578.5
- 288.8
- 600
- 271.2
- SCREW THREAD DEPTH : 4-M8x25mm