

BENQ BOARD RE05AC SERIES

RE6505AC / RE7505AC / RE8605AC

GOOGLE-CERTIFIED AI-POWERED
INTERACTIVE DISPLAY

THE BENQ DIFFERENCE:

- Interactive presentations and workflows
- AI-enhanced collaboration tools
- Greater device security and data privacy
- Comprehensive device and user management



Octa Core SoC

The powerful IFP SoC (A72 x 4 + A53 x 4)



6 TOPS

High computing performance for AI processing
0.10 trillion operations per second



Android 16

The latest & most secure update



8GB RAM, 128GB Storage

Fast performance with plenty of storage



BenQ AI Tools

BenQ AI Tools make learning easier
and more enjoyable



Whiteboarding Solution

Teach on a powerful whiteboard
using any device, from any
location by EZWrite 6



Wireless Casting Solution

InstaShare 2 can share
ideas seamlessly with
wireless projection
compatible with
all devices



CLASSROOMCARE®

- Flicker-free / Low blue light technologies passed thorough testing by TÜV Rheinland
- Anti-glare reduces glare under bright lighting conditions
- Reduces harmful blue light without sacrificing color accuracy



ANTI-DUST DEFENSE

- IP5X dust protection is compliant with IEC standard 60529



ENERGY STAR

- Love the earth, lower energy bills

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SPECIFICATIONS

RE6505AC / RE7505AC / RE8605AC

PANEL	Panel Type	DLED	
	Resolution	3840 x 2160 (4K UHD)	
	Aspect Ratio	16:9	
	Brightness (typical) w/o glass	500 cd/m2	
	Contrast Ratio (typical)	5500:1	
	Contrast Ratio (dynamic)	50,000:1	
	LCD Viewing Angle (H/V)	178 degree (H) / 178 degree (V)	
	Panel Refresh Rate	60 Hz	
	Response Time	≤6.5ms	
	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 (by Region)	
TOUCH SOLUTION	Panel Surface	Anti-Glare	
	Orientation	Landscape	
	Touch technology	Precision IR	
	Accuracy	±2.0 mm (middle 90% touch area)	
	Max Touch Points	up to 50	
	Touch Resolution	32767 x 32767 px	
	Object Recognition Range	≥ 3 mm	
CAMERA	Touch Response Time	< 5ms	
	Touch Interface	USB-B 2.0 x 2	
	Compatibility	Window11/Windows10/Windows8/Windows7/macOS/Linux/Android/Chrome OS	
	Resolution	50MP 4K FHD	
AUDIO/ VISUAL	FOV	D 115°, H101°, V 84.7°	
	Features	AI auto framing, AI auto voice tracking	
CONNECTIVITY	Built-in Speakers	84 Watts (12W x 2 speaker+ 30W x2 subwoofer)	
	Array Microphone	x 8 (Max. pickup (range: up to 12 m)) echo cancellation	
CONNECTIVITY		FRONT	BACK
	HDMI In 2.0	x1	x2
	HDMI Out 2.0	–	x1
	Display Port 1.2a	–	–
	VGA In	–	–
	VGA Audio In	–	–
	USB-A 3.0 (High speed data transfer & power supply)	x2	x1
	USB-A 2.0	–	x1
	USB Type-C 3.0 (5-in-1, 5Gbps data transfer, video, audio, touch, 65W PD)	x1	–
	Mic In (3.5 mm)	–	x1
	RS232	–	x1
	Earphone (3.5 mm)	–	x1
	SPDIF (optical)	–	x1
	Power (AC) Inlet	–	x1
	OPS Slot	–	x1
POWER	Wake-on-LAN	Yes	
	LAN In/Out (RJ45)	OPS: 10/100 Mbps; Android: 10/100/1000 Mbps	
	Power supply	AC 100-240V, 50 to 60 Hz	
COMPUTING	Operating System	Android 16.0	
	CPU	Octa-Core (A72 x 4 + A53 x 4)	
	GPU	Arm Mali-G52 MC3	
	NPU	6 TOPS	
	Memory	8GB	
	Storage	128GB	
SENSORS	NFC Sensor	x1	
	Light Sensor	x1	
	IR Receiver	x1	
DISPLAY LANGUAGE	English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese / Thai / Persian / Vietnamese / Korean / Turkish / Indonesian / Hebrew / Catalan (29L)		