

BenQ

RP6505



Next-Gen AI Performance:

RP6505 features a true 10 TOPS NPUI which enables AI processing directly on the device to support BenQ AI tools and improve classroom experiences for both students and teachers.



Android 15 and Google EDLA Certification:

With Android 15 and a Google EDLA ecosystem, RP6505 offers reliable access to core Google services and supports ongoing security updates to stay compatible with educational apps in the long term and reduce IT maintenance.



Advanced Data Security:

RP6505 includes device access controls, single sign-on, multi-factor authentication, and Google Play Protect, while complying with GDPR, CCPA, and PSTI standards to keep data secure.



ClassroomCare®:

RP6505 is verified by Eyesafe® Display 3.0 with an RPF® of 60 and a CPF of 50, helping protect eye health and support circadian-friendly viewing. Other ClassroomCare® technologies are germ-resistant surfaces, air quality sensors, and an air ioniser, all helping to support healthier, more comfortable classrooms.

Panel	Screen size	65"		
	Resolution	UHD 3840 × 2160		
	Brightness	450 nits		
	Contrast ratio (typ.)	1500 : 1		
	Dynamic Contrast ratio	50,000 : 1		
	Viewing angle (H/V)	178° / 178°		
	Response time (G-t-G)	8 ms		
	Backlight life	50,000 hrs		
	Panel surface	AG, Haze 25%		
	Operating hours	18 Hours / 7 Days		
	Orientation Memory I	Landscape		
	System	Storage	16 GB 256 GB	
		OS	Android 15 (EDLA)	
CPU		Arm Cortex-A78 × 2 + A55 × 6		
GPU		Arm Mali-G57 MC2		
Power	Power Supply	AC 100-240 V 50 / 60Hz		
	Power consumption	Typical	77.4 W	
		Standby	<0.5 W	
	AC power switch	Yes		
	ENERGY STAR® 8.0	Yes		
Wake up	Lan / HDMI / VGA / DP			
Touch	Technology	Ultra Precision IR		
	Number of touch points	up to 50		
Glass	Interface	USB Type B × 3		
	Thickness	Tempered, 3.2 mm		
ClassroomCare® Technology	Hardness	9H		
	AG coating	Yes		
	Eye care: flicker-free & low blue light	Yes (Eyesafe® Display 3.0 verified by UL Solutions; RPF® 60 / CPF 50)		
	Air quality sensors & air ioniser	CO ₂ - PM2.5 - PM10 - TVOC - CH2O, temperature, humidity; air ioniser		
Environment	Germ-resistant screen	Yes (certified by TÜV, SIAA & SGS)		
	Operating temperature	0°C - 40°C		
Connectivity	Operating humidity	10% - 90% RH non-condensing		
	Input	VGA × 1, HDMI 2.0 × 3, DP 1.2 × 1, Mic (3.5mm) × 1, PC Audio × 1		
		Output	HDMI 2.0 × 1, Earphone (3.5 mm) × 1, SPDIF (Optical) × 1	
	USB	Type A × 7 (3.0 × 4 / 2.0 × 3), Type B × 3		
		RS232 (in)	(3.0), Type C × 2 (3.0 PD 100 W × 1 / 2.0 1), Type C (out) × 1	
	RJ45 (LAN)	× 1		
	Wireless connectivity	× 2 (Android / OPS) up to 1000Mbps Built-in WD02AT (Wi-Fi 6 + Bluetooth 5.2)		
	OPS slot (for slot-in PC)	× 1		
	Built-in Peripherals	Micro SD reader	× 1	
		Soundbar	70W (25W speakers × 2 20W subwoofer × 1)	
Physical	Microphones	8-mic array, up to 12 m pickup range		
	NFC Sensor	Yes		
	Dimensions (W × H × D)	1488.4 × 937.3 × 130.0 mm		
Accessories	Weight (product shipping)	34.5 kg 44.5 kg		
	Bezel width (T.I.B.I.L.I.R)	14.6 98.5 14.6 14.6 mm		
	Wall mounting (VESA) (screw type/max length)	VESA 600 × 400 mm (4 × M8 × 25L), wall mount kit included		
	Pen tray	Yes		
Cables	HDMI (3 m) × 1, Touch USB (3 m) × 1, Type C (1.5 m) × 1			
Stylus	× 2			
Remote control	× 1			

→ Specifications subject to change without notice.



ENERGY STAR® 8.0
The energy-efficient design of the RP06 displays meets ENERGY STAR® standards and can reduce power consumption by up to 70%.



Sustainable packaging
We've reduced our transport and logistics footprint by increasing the loading rate by 90%.



Remote energy control
Lower unnecessary power use with DMS by remotely powering displays on/off and setting schedules.

SOFTWARE



EZWrite 6

Save lessons in editable whiteboard files (WB) with Cloud Whiteboarding. Google Classroom is integrated with EZWrite WEB.



InstaShare 2

Wireless screen sharing & casting from any device. Share several screens simultaneously, with different types of content.



X-Sign Broadcast

Announcement system with cross-campus communication. Send visual alerts, warnings, and videos to all or one specific device.



AMS

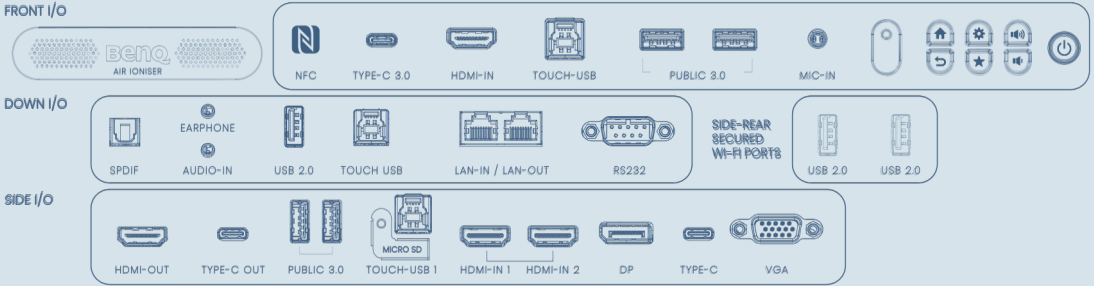
Account Management System to conveniently load and access your account and cloud storage from any BenQ display.



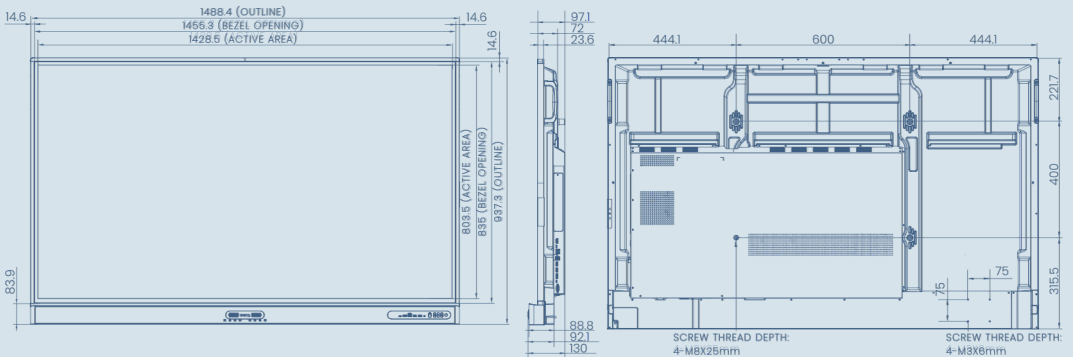
DMS

Device Management Solution centrally oversees all displays to get real-time status information, deploy OTA updates & more.

INPUT AND OUTPUT TERMINALS



DIMENSIONS (MM)



5 year de/re-install warranty upon registration within 30 days of purchase

