

BenQ

RM6505

Master Series



Next-Gen AI Performance:

RM6505 features a true 10 TOPS NPU 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, RM6505 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:

RM6505 protects data with secure login options, access controls, regular system updates, and built-in Google Play Protect and Safe Browsing. It complies with GDPR, CCPA, PSTI, and ADA standards, with anti-malware and anti-phishing protections against security threats.

ClassroomCare®:

Designed for healthier learning spaces, RM6505 is verified by UL Solutions for Eyesafe® Display 3.0. It features an RPF® 35 to reduce exposure to high-energy blue light and CPF 35 for circadian-friendly viewing. The screen is protected by a nano-ionic silver antimicrobial coating that helps reduce germs on high-touch surfaces.

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	8 ms	
	Backlight life	50,000 hrs	
	Panel surface	AG, Haze 25%	
	Operating hours	18 hours / 7 days	
System	Orientation	Landscape	
	Memory Storage	8 GB 128 GB	
	OS	Android 15 (EDLA)	
	GPU	Arm Mali-G57 MC2	
	CPU	Arm Cortex-A78 × 2 + A55 × 6	
	NPU	10 TOPS	
	Power supply	AC 100-240 V, 50 / 60 Hz	
Power	Power consumption	Typical	83.4 W
		Standby	<0.5 W
	AC power switch	Yes	
	ENERGY STAR®	Yes	
Touch	Wake up	LAN / HDMI / VGA / DP	
	Technology	High Precision IR	
	Number of touch points	up to 50	
Glass	Interface	USB Type-B × 3	
	Thickness	3.2 mm	
	Hardness	9H tempered	
ClassroomCare® Technology	AG coating	Yes	
	Eye care: flicker-free & low blue light	Yes (Eyesafe® Display 3.0 verified by UL Solutions; RPF® 35 / CPF 35)	
	Air quality sensors & air ioniser	No	
	Germ-resistant screen	Yes (certified by TÜV, SIAA & SGS)	
Environment	Operating temperature	0°C ~ 40°C	
	Operating humidity	10% ~ 90% RH non-condensing	
Connectivity	Input	VGA × 1, HDMI 2.0 × 3, DP 1.2a × 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 (3.0), Type-C × 2 (3.0 PD 65 W × 1 / 2.0 × 1), Type-C (out) × 1	
	RS-232 (In)	× 1	
	RJ45 (LAN)	× 2 (Android / OPS) up to 1000Mbps	
	Wireless connectivity	Built-in WD02AT (Wi-Fi 6 + Bluetooth 5.2)	
	OPS slot (for slot-in PC)	× 1	
	Micro SD reader	× 1	
	Built-in peripherals	Speaker	25 W × 2
Microphones		8-mic array, up to 12 m pickup range	
NFC sensor		Yes	
Physical	Dimensions (W × H × D)	1488.4 × 903.3 × 98.4 mm	
	Weight (product shipping)	30.2 kg 39.3 kg	
	Bezel width (T B L R)	14.6 49.8 14.6 14.6 mm	
	Wall mounting (VESA) (screw type / max. length)	VESA 600 × 400 mm (4 × M8 × 25L), wall mount kit included	
Accessories	Remote control	× 1	
	Magnetic stylus	× 2 (PT05)	
	Cables	HDMI (3 m) × 1, USB-B for touch (3 m) × 1, USB-C (1.5 m) × 1	

→ Specifications subject to change without notice.



ENERGY STAR® 8.0
The energy-efficient design of the RM6505 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 60%.



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 (IWB) 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

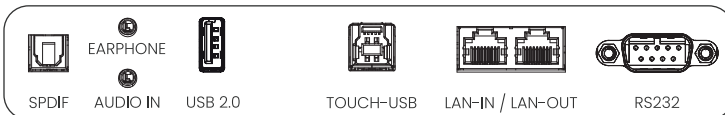
FRONT I/O



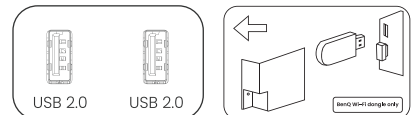
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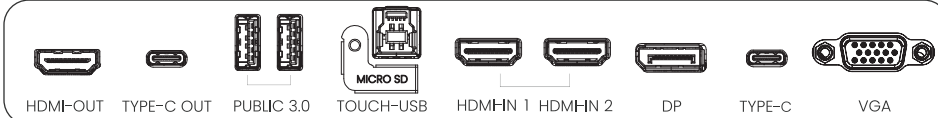
DOWN I/O



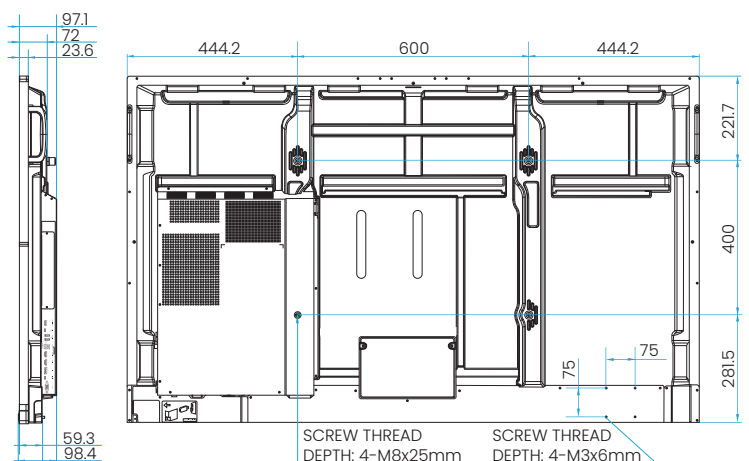
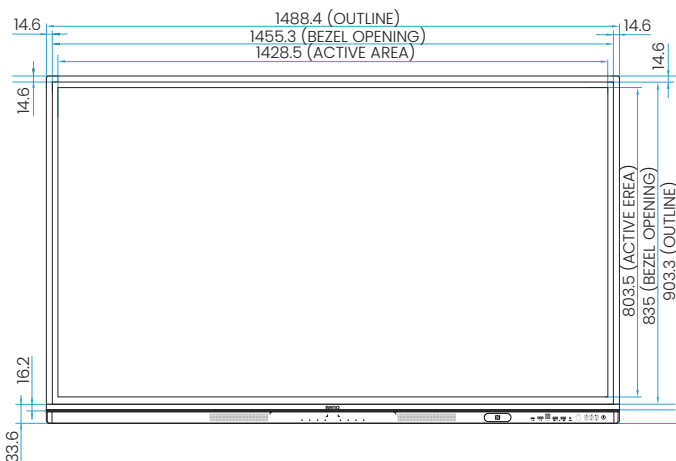
SIDE REAR SECURED WI-FI PORTS



SIDE I/O



DIMENSIONS (MM)



Warranty terms and conditions may change based on the country of purchase and local regulations.



www.benq.eu/en-eu/education.html

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