

BenQ

RM8605

Master Series



Next-Gen AI Performance:

RM8605 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, RM8605 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:

RM8605 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, RM8605 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	86"
	Resolution	UHD 3840 × 2160
	Brightness	450 nits
	Contrast ratio (typ.)	1200:1
	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 127.6 W Standby <0.5 W
	AC power switch	Yes
	ENERGY STAR®	Yes
	Wake up	LAN / HDMI / VGA / DP
	Touch	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
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 1.2a × 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
Microphones		8-mic array, up to 12 m pickup range
NFC sensor		Yes
Physical	Dimensions (W × H × D)	1957 × 1166.6 × 98.4 mm
	Weight (product shipping)	50.8 kg 65.3 kg
	Bezel width (T B L R)	14.6 49.8 14.6 14.6 mm
	Wall mounting (VESA) (screw type / max. length)	VESA 800 × 600 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 RM8505 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

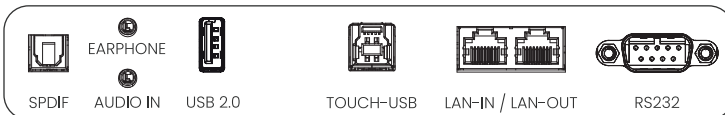
FRONT I/O



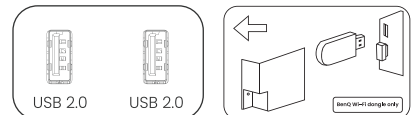
NFC



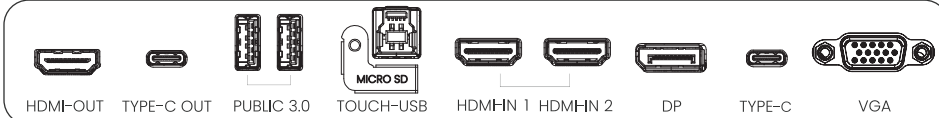
DOWN I/O



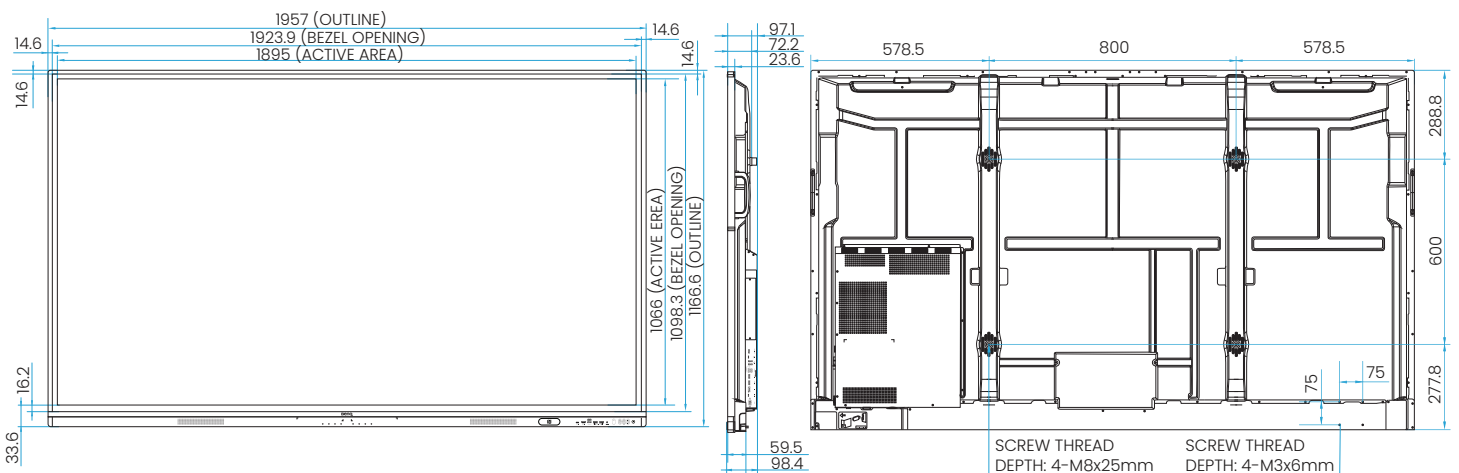
SIDE REAR SECURED WI-FI PORTS



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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