

BenQ

RP8605



Next-Gen AI Performance:

RP8605 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, RP8605 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:

RP8605 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®:

RP8605 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	86"	
	Resolution	UHD 3840 × 2160	
	Brightness	450 nits	
	Brightness	1200 : 1	
	Contrast ratio (typ.)	50,000 : 1	
	Dynamic Contrast ratio	178° / 178°	
	Viewing angle (H/V)	8 ms	
	Response time (G-T-G)	50,000 hrs	
	Backlight life	AG, Haze 25%	
	Panel surface	18 Hours / 7 Days	
	Operating hours	Landscape	
	Orientation Memory I	16 GB 256 GB	
System	Storage	Android 15 (EDLA)	
	OS	Arm Cortex-A78 × 2 + A55 × 6	
Power	CPU	Arm Mali-G57 MC2	
	GPU	AC 100-240 V 50 / 60Hz	
Power	Power Supply	<0.5 W	
	Power consumption	Typical	Yes
	Standby	Yes	
Power	AC power switch	Lan / HDMI / VGA / DP	
	ENERGY STAR® 8.0	Ultra Precision IR	
	Wake up	up to 50	
Touch	Technology	USB Type B × 3	
	Number of touch points	Tempered, 3.2 mm	
Glass	Interface	9H	
	Thickness	Yes	
Glass	Hardness	Yes (Eyesafe® Display 3.0-verified by UL)	
	AG coating	Solutions; RPF* 60 / CPF 50)	
	ClassroomCare® Technology	CO ₂ - PM2.5 - PM10 - TVOC - CH2O, temperature, humidity; air ioniser	
ClassroomCare® Technology	Eye care: flicker-free & low blue light	Yes (certified by TÜV, SIAA & SGS)	
	Air quality sensors & air ioniser	0°C - 40°C	
ClassroomCare® Technology	Germ-resistant screen	10% - 90% RH non-condensing	
	Environment	Operating temperature	VGA × 1, HDMI 2.0 × 3, DP 1.2a × 1, Mic (3.5mm) × 1, PC Audio × 1
Environment	Operating humidity	HDMI 2.0 × 1, Earphone (3.5 mm) × 1, SPDIF (Optical) × 1	
	Connectivity	Input	Type A × 7 (3.0 × 4 / 2.0 × 3), Type B × ×
Connectivity	Output	3	
	USB	(3.0), Type C × 2 (3.0 PD 100 W × 1 / 1), Type C (out) × 1	
Connectivity	RS232 (in)	× 1	
	RJ45 (LAN)	× 2 (Android / OPS) up to 1000Mbps	
Connectivity	Wireless connectivity	Built-In WD02AT (Wi-Fi 6 + Bluetooth 5.2)	
	OPS slot (for slot-in PC)	× 1	
Connectivity	Micro SD reader	× 1	
	Soundbar	70W (25W speakers × 2 20W subwoofer × 1)	
Built-in Peripherals	Microphones	8-mic array; up to 12-m pickup range	
	NFC Sensor	Yes	
Physical	Dimensions (W × H × D)	1957.0 × 1200.6 × 130.0 mm	
	Weight (product shipping)	55.0 kg 73.6 kg	
Physical	Bezel width (T B L R)	14.6 98.5 14.6 14.6 mm	
	Wall mounting (VESA)	VESA 800 × 600 mm (4 × M8 × 25L), wall mount kit included	
Physical	(screw type/max length)	Yes	
	Pen tray	Yes	
Accessories	Cables	HDMI (3 m) × 1, Touch USB (3 m) × 1, Type C (1.5 m) × 1	
	Stylus	× 2	
Accessories	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

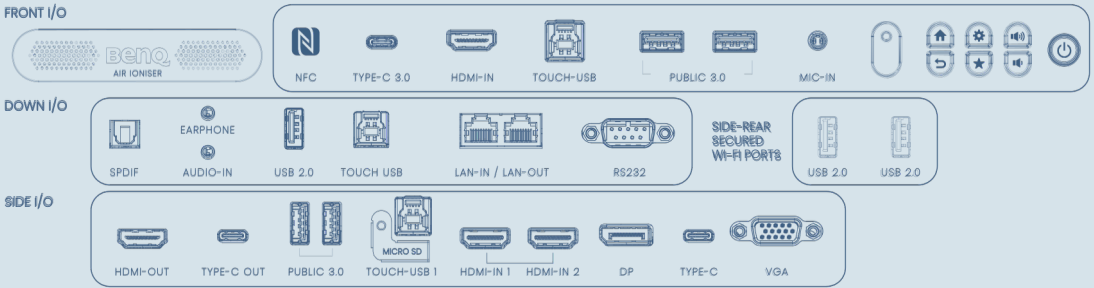
Account Management System to conveniently load and access your account and cloud storage from any BenQ display.



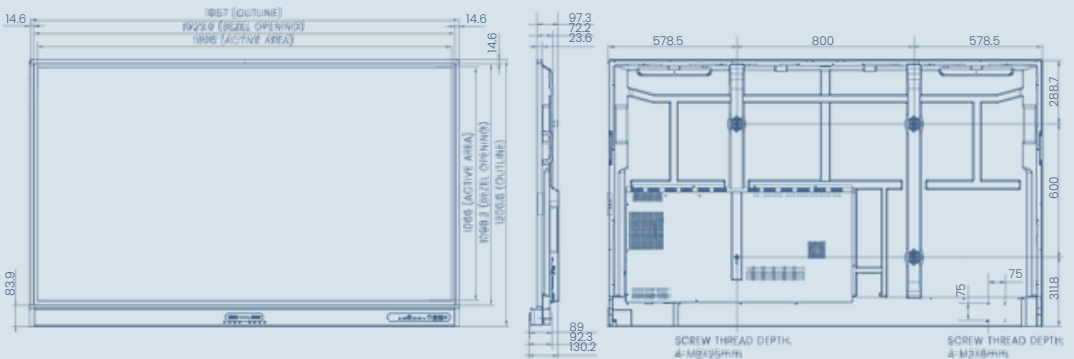
DMS

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

