BenQ

RP8605

Pro Series



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.

→ Specifications subject to change without notice.

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
	Orientation		Landscape
System	**Memory | Storage**		16 GB I 256 GB
	OS		Android 15 (EDLA)
	GPU		Arm Mali-G57 MC2
	CPU		Arm Cortex-A78 × 2 + A55 × 6
	NPU		10 TOPS
Power	**Power supply**		AC 100-240 V, 50 / 60 Hz
	Power consumption	**Typical**	126.4 W
		Standby	<0.5 W
	AC power switch		Yes
	ENERGY STAR®		Yes
	Wake up		LAN / HDMI / VGA / DP
Touch	**Technology**		Ultra Precision IR
	Number of touch points		up to 50
	Interface		USB Type-B × 3
Glass	**Thickness**		3.2 mm
	Hardness		9H tempered
	AG coating		Yes
ClassroomCare® Technology	**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 - $PM_{2.5}$ - PM_{10} - TVOC - CH_2O, temperature, humidity; air ioniser
	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 x 1, Earphone (3.5 mm) × 1, SPDIF (Optical) × 1
	USB		Type-A: 3 × 2.0 + 4 × 3.2 Gen 1 × 1; Type-B: 3 × 3.2 Gen 1 × 1; Type-C: 1 × 2.0 + 1 × 3.2 Gen 1 × 1 (PD 100 W); Type-C Out: 1 × 2.0 (data/video/audio/touch)
	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	**Soundbar**		70 W (25 W speakers × 2 | 20 W subwoofer × 1)
	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 I shipping)		55.0 kg | 73.6 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 800 × 600 mm (4 × M8 × 25L), wall mount kit included
	Pen tray		Yes
Accessories	**Remote control**		× 1
	Stylus		× 2 (PT01GN)
	Cables		HDMI (3 m) × 1, USB-B for touch (3 m) × 1, USB-C (1.5 m) × 1

Because Earth Matters

ENERGY STAR® 8.0
The energy-efficient design of the RP8605 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.

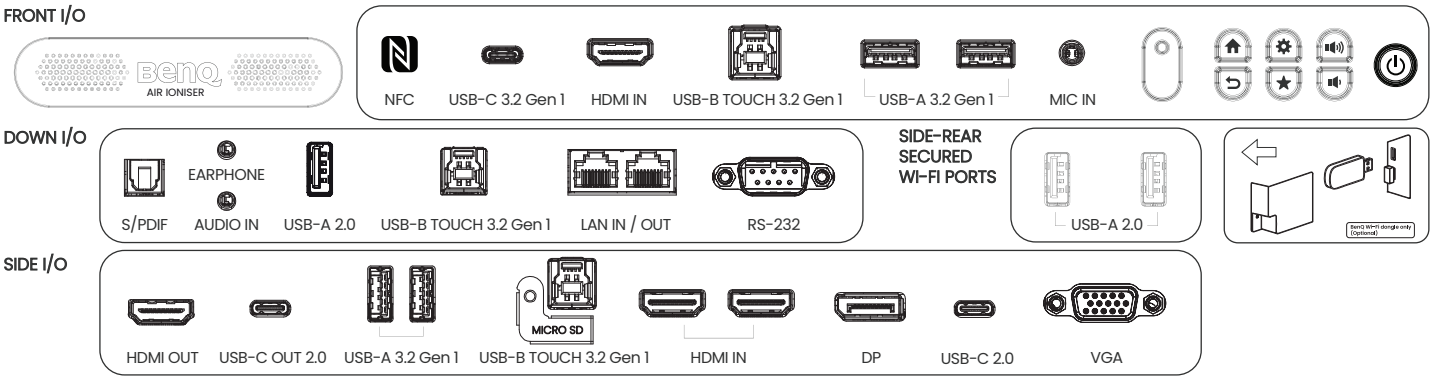
InstaShare 2
Wireless screen sharing & casting from any device. Share several screens simultaneously, with different types of content.

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

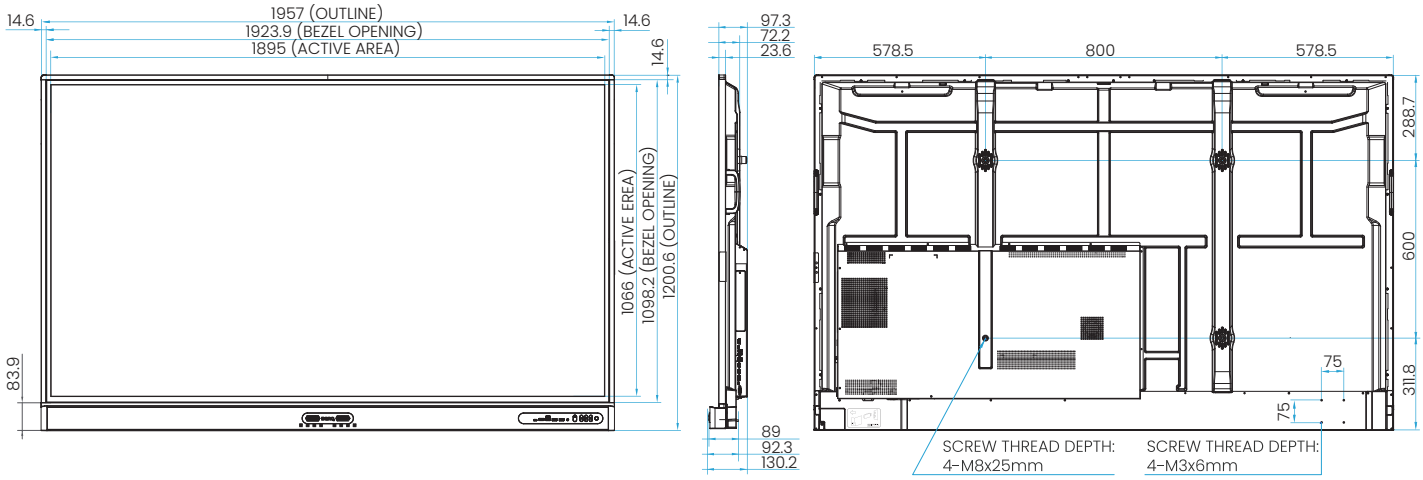
AMS
Account Management System to conveniently load and access your account and cloud storage from any BenQ display.

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

INPUT AND OUTPUT TERMINALS



DIMENSIONS (MM)



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

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

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