RICOH
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Ricoh Interactive Whiteboard

A8600 Datasheet

☑ Interactive learning ☑ Remote collaboration ☑ Webinars ☑ Hybrid meetings

Powerful collaboration at your fingertips

Ricoh's high-quality interactive whiteboard A8600 encourages innovative collaboration anytime, anywhere, and with anyone. You can use it to enable ideas to be shared right away and reduce work to produce meeting minutes, helping to maximize team performance. At the same time the A8600 is affordable, intuitive and customizable, perfect for the new normal, hybrid classrooms.

In education remote learning and collaboration are the new normal, where hybrid classrooms must allow real-time participation and information sharing with in-person and remote attendees allowing external sources into the classroom. Our interactive whiteboards are affordable, intuitive and customizable.
Teachers can now simply plug in a laptop to start lessons.

Businesses reap benefits from the easy-to-use interface and built-in Apps, that offer seamless communication and collaboration. Ideal for hybrid working, allowing multiple people to write on the same screen. Save time taking minutes and notes, you can capture annotations in real-time. Cast multiple screens wirelessly at any time and maximise collaboration.

- 86 inch for larger conference rooms and higher education lecture halls
- Real-time information sharing
- Customizable home screen for easy access to frequently used functions
- Versatile connectivity with front-facing interfaces
- 4K UHD display and powerful audio

Dimensional drawings

GENERAL

Rear interface	HDMI IN x2: Version: HDMI2.0, Up to 3840x2160@60HzHDMI1 support ARC function, HDCP 1.4/2.0/2.2 compliant DP IN x1: Version: DP1.2a, Up to 3840x2160@60Hz, HDCP 1.4/2.2 compliant VGA IN x1: Interface: DB15, Up to 1920x1080@60Hz Audio IN x1: Interface: Φ3.5mm mini interface, input level(L/R): 0.2-2Vrms LAN x2: 10M/1000Mbps Base-T, 100Mbps Base-TX, Support internet switch, To OPS(10M/100M/1000M), To Android(10M/100M), Interface: RJ-45 USB2.0 x1: Support images, music, video file playback, only can use this USB port to upgrade, Interface: USB2.0 Type-A USB3.0 x2: Support images, music, video file playback. Upgrade are not supported, Interface: USB3.0 Type-A Touch-USB x1: Touch interface for HDMI1/HDMI2/DP/VGA, Interface: USB3.0 Type-B MIC IN x1: Can Mix the MIC input and other input source to SPK OUT, Interface: Φ3.5mm mini interface SPDIF x1: Max speed: 16Mbps, Interface: Optical RS232-IN x1: RS232 Input, Interface: DB9 HDMI-OUT x1: Max. resolution: 3840x2160@60Hz, Version: HDMI2.0, All signals can be Loop-outed by HDMI-OUT Audio OUT x1: Output level(L/R): 10mVrms±40mVrms (@500mVrms 1KHz, load 32Ω), Interface: Φ3.5mm mini interface (Headphone-out)
Front interface	Type-C x1: Power output: 20V/3A, Up to 3840x2160@60Hz, Interface: Type-C Public USB x2: Version: USB3.0, Interface: Type-A Touch-USB x1: Touch interface for HDMI, Interface: USB3.0 Type-B HDMI IN x1: Version: HDMI2.0, Up to 3840x2160@60Hz, HDCP 1.4/2.0/2.2 compliant
RAM	4 GB
ROM (storage)	32 GB
Dimensions: W x D x H (mm)	1,967.9 x 87.1 x 1,172.6
Package size: W x D x H (mm)	2,160 x 225 x 1,310
Weight (kg)	73
Package weight (kg)	82
Housing material (face frame/back shell)	Aluminium/metal plate
Housing colour (face frame/back shell)	Black/black
VESA	4-M8 screw hole 800 x 600 mm

DISPLAY PANEL

Panel size: diagonal (" wide)	86
Effective area: W x H (mm)	1,065.96 x 1,895.04
Resolution: maximum (Full HD)	3,840 x 2,160
Colours: maximum	1,070,000,000
Brightness: maximum (cd/m²)	400
Contrast ratio	1,200 : 1
Pixel pitch (mm)	0.4935 x 0.4935
Response: grey to grey (ms)	8
Refreshing frequency	60 Hz
Viewing angle: H/V (°)	178/178
LED lifetime	50,000 hours
Colour gamut	72%

TOUCH SYSTEM

Sensing type	Infrared touch frame
Surface protection	3.2 mm toughened glass
Infrared touch	Up to 20 points
Interpolation resolution	32,768 x 32,768
Theory clicks	Unlimited
Connect type	USB2.0 Full Speed
Voltage	DC+5V +/- 5 %
Windows 10/8/7, Android	Multiple touch supported
Windows XP, Linux, Mac OS X, Chrome	Single touch supported

ELECTRICAL

Power requirements	AC 100V - 240V, 50/60Hz
Power consumption without OPS	Maximum brightness: 460 W 50% brightness: 340 W
Standby condition without OPS	< 0.5 W
Audio output power	2x15 W/8 Ω
OPS power	DC 18V/5A

SOFTWARE

OS	Android 9.0
Pre-installed app	Whiteboard, Browser, File manager, Screen share, Office document view (incl. PDF), Media Player, Cloud storage, Android app store
Default functions	Welcome screen (Launcher), Setting, Source setting, Annotation tool, Stopwatch, Clock, Calculator, Eye-protection, Spotlight, Screen capture, Calendar, Vote, Screen Recorder, Split Screen, Picture in Picture

WIFI

Operating frequency	2.4 GHz/5 Ghz
Wi-Fi standard	802.11a/b/g/n/ac

OPS SPECIFICATIONS

Main spec (OPS)	Chipset: SOC LAN interface (Wired): 10BASE-T/100BASE-TX/1000BASE-T LAN interface (Wireless): 802.11 ac/a/b/g/n/ax Network authentication (Wireless LAN): According to setting on system OS Encryption (Wireless LAN): According to setting on system OS Interface (Output): HDMI Interface (others): USB 3.0 Type A x 2,USB 2.0 Type A x 2, USB Type C x 1, 3.5 mm microphone jack, 3.5 mm headphone jack Bluetooth: embedded Power Source: DC +12 to 19V
Capture box	Not included
Installation	Insert into OPS slot
Product size: W x D x H (mm)	200 x 119 x 30
Product weight (kg)	1
Environmental condition	Operating temperature limits: -10 - 50℃ Operating humidity limits: 20 - 80% Storage temperature limits: -10 - 50℃ Storage humidity limits: 15 - 80%

ECOLOGY

Operating temperature (°C)	0 - 32
Operating humidity (%)	20 - 80
Altitude limitation: sea level (m)	Lower than 3,500
Maximum daily operation hours (exclude stand-by time)	18 hours/day (24 hours)Maximum daily operating hours are 18hrs/day. Do not use the machine continuously/intermittently for more than 18 hours per day. Failure to do so could result in malfunction.
Storage temperature	-10℃ ~ +50℃
Storage humidity	15% ~ 80% RH Non-Condensing
Shelf life	14 months after production

ACCESSORIES

Touch pen x2
Read this first sheet
Quick guide sheet
Batteries AAAx2
Remote control
Power cord
USB type C cable (2m)
HDMI 2.0 cable (3m)
Plastic clamp (2pcs)

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