Ricoh Interactive Whiteboard

A8600 Datasheet

☑ Interactive learning ☑ Remote collaboration
☑ Webinars ☑ Hybrid meetings

Powerful collaboration at your fingertips

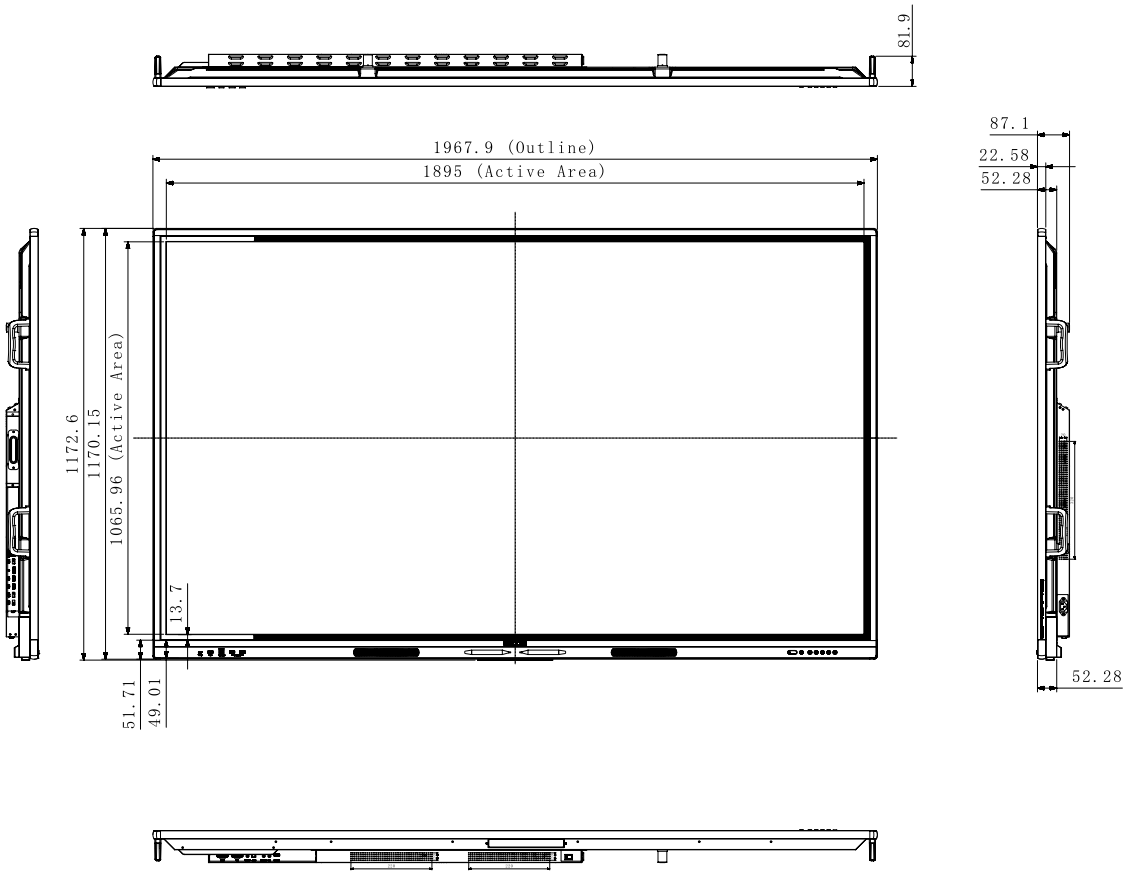
Ricoh's high-quality interactive whiteboard A8600 encourages innovative collaboration anytime, anywhere, and with anyone. You can use it to enable ideas to be shared right away and reduce work to produce meeting minutes, helping to maximize team performance. At the same time the A8600 is affordable,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

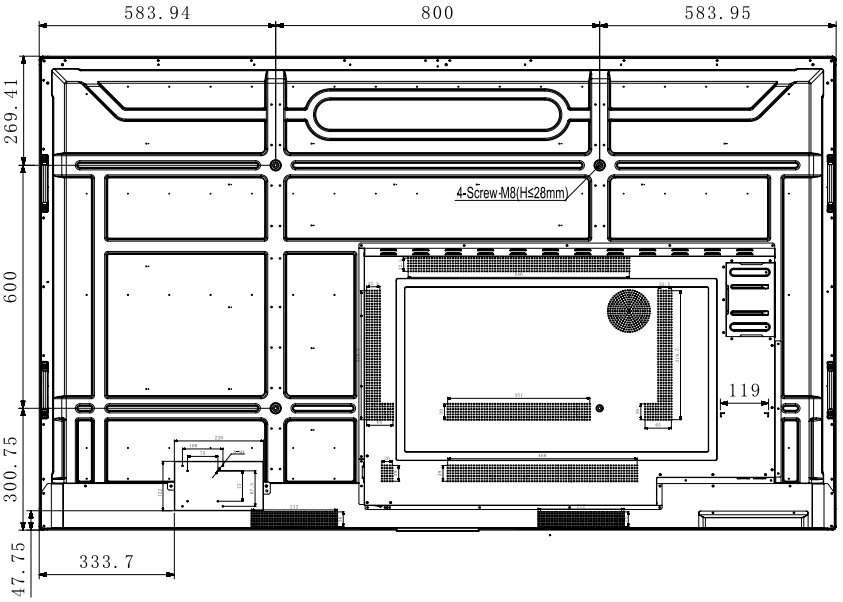
In education remote learning and collaboration are the new normal, where hybrid classrooms must allow real-time participation and information sharing with in-person and remote attendees allowing external sources into the classroom. Our interactive whiteboards are affordable, intuitive and customizable. 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





A8600

MAIN SPECIFICATIONS

GENERAL

Rear interface		
HDMI IN x2	Version: HDMI2.0, Up to 3840x2160@60Hz, HDMI1 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	
Dimensions: W x D x H (mm)	1,968 x 88 x 1,173	
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 600 x 600 mm	

DISPLAY PANEL

Panel size: diagonal (" wide)	86
Effective area: W x H (mm)	1,895.04 x 1,065.96
Resolution: maximum (4K)	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 Time (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, Android	Multiple touch supported
Linux, Mac OS X, Chrome	Single touch supported

ELECTRICAL

OS	Android 9.0
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
RAM	4 GB
ROM (storage)	32 GB

SOFTWARE

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

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MAIN SPECIFICATIONS

WIFI

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

ECOLOGY

Operating temperature	0 ~ 32°C
Operating humidity	20 ~ 80%
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°C
Storage humidity	15% ~ 80% RH Non-Condensing

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)
USB A-B 2.0 cable (3m)
Plastic clamp (2pcs)

OPTIONAL 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 ~ 32°C Operating humidity limits: 20 ~ 80% Storage temperature limits: -10 ~ 50°C Storage humidity limits: 15 ~ 80%

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