Interactive Whiteboard

RICOH Interactive Whiteboards with the Windows® 10-based Controller

D5520, D6510, D7500, and D8400

RICOH
imagine. change.

Remotely collaborate with laptops and mobile devices

No external computer required

Brilliant HD and 4K multi-touch screens (55" – 84")

Available video-conferencing services

Work smarter in groups

Empower your onsite and remote workers, clients or customers to become more engaged in real-time collaboration and meetings with our Interactive Whiteboards (IWBs) with Windows® 10-based Controllers. Our Windows® controller lets you use your preferred apps and cloud solutions including Office 365™ and Skype® for Business. Select from four models of IWBs—also known as Interactive Flat Panel Displays or IFPDs—with screen resolutions and sizes of HD 55" (D5520), HD 65" (D6510), 4K 75" D7500, and 4K 84" (D8400). Bundle the IFPDs with our visual communication hardware, apps, cloud services and business services for all-in-one solutions that can fully meet your business needs. Now, convert any area into a modern collaborative space where you can brainstorm ideas faster, conveniently manage complex projects and training, and transform presentations into interactive experiences with touchscreen annotations, video communications and information sharing.

Maximize engagement

Showcase important graphics or documents, and convey your ideas clearly in crisp 1920 x 1080 HD resolution—or brilliant 3840 x 2160 4K resolution that includes 10-bit processing of more than one billion colors. This helps your participants notice precise details and see lifelike quality. The anti-glare touchscreen with LED backlighting and deep contrast help to ensure that participants can see what is on the screen in almost any lighting conditions. Use the IFPDs with their embedded controller to present, or use the IFPDs as displays only and connect via VGA, HDMI, DVI-D or DisplayPort. The 10-point touchscreen allows you to easily switch between tasks and make natural drawings and handwritten annotations, zoom in and zoom out, and undo changes with your fingers.

Collaborate across your network

Whether your group is small or includes hundreds of participants, you can find the most effective and cost-efficient way to scale real-time collaboration on our IFPDs. If you choose to stay on your private network, you can add a collaborative license to our IWB Lt. software. This lets you connect with two-way collaboration with up to 19 additional IFPDs. Each licensed IFPD can connect to as many as 50 endpoints (laptops and mobile devices) also with real-time, two-way collaboration. That means that you could distribute 20 licensed IFPDs on your network and interactively collaborate with up to 1,000 participants without adding an additional public cloud service fee. You can use the public cloud to collaborate and project manage via Skype® for Business, Google Hangouts®, Join.Me®, JIRA® and more solutions.

Get started in a snap

Our IFPDs with Windows®-based controllers are ready out-of-box solutions. There's no need to connect the IFPDs to a dedicated computer to operate the display, or use expensive proprietary software with recurring maintenance fees. And with their highly intuitive user experience, you can conveniently deploy the IFPDs at locations with limited or no IT support. You can also connect the IFPDs to Ricoh digital projectors to present and interactively collaborate with large groups. Bundle the IFPDs with our mobile stand to easily move them about your workplace.
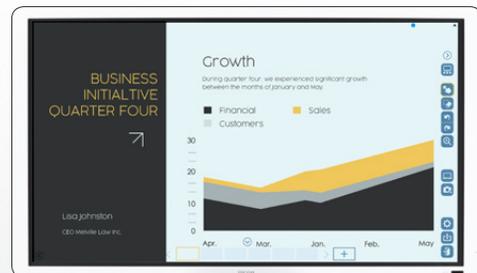
Easy to use

Interact face-to-face

You can better engage remote participants when you can see their facial expressions and body communication. That's why we offer optional videoconferencing hardware and software for our IFPDs to help you clearly communicate your ideas and get more work done faster. With our Windows®-based controller, you can decide whether to use the Ricoh UCS or UCS Advanced Service, or use Skype® for Business and other popular collaboration apps. Our optional UCS Service enables you to collaborate with large numbers of remote participants in many different locations. And because our UCS Service takes up no more than 2 MBps, you don't have to worry about interruptions due to limited bandwidth or slow network speeds. If you want to help ensure that you can start web or video conferences without delays, use the RICOH® UCS Service Advanced, an open WebRTC solution, to let your remote participants painlessly join presentations or collaborate with you from any online mobile device, laptop or legacy videoconferencing equipment.

Simplify your configuration

Our IFPDs with Windows®-based controllers are built from the ground up for modern collaboration, rather than assembled from multiple pieces, such as when a mini PC is simply mounted onto a touchscreen monitor. Mounted mini PCs are at increased risk of being stolen, and may also interrupt consistent performance, since they require video cables for connectivity—rather than the more reliable bus connections that link our embedded Windows®-based controller directly to its touchscreen display. Our completely integrated solution also helps you scale seamlessly. Add more of our IFPDs to your network without worrying about incurring more fees for ongoing IT maintenance including updating of third-party management software.
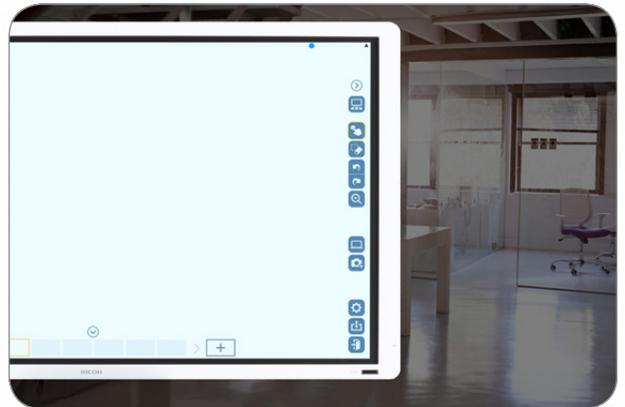
Get the most from your investment

For more than 80 years, we have helped enterprises maximize the ROI of their IT investments. As you take the journey to transform your workspace for today's faster, more collaborative work styles, we want to partner with you step by step. Benefit from our expertise and 24/7 global customer support, so you can focus on competing in a smarter, faster business world. Let us focus on keeping your collaboration technology ahead of trends and providing the services to help you thrive in the information economy. And we believe that relationships matter: Wherever you deploy our IFPDs, our extensive network and optional business services will be there to help you reach your goals.

RICOH D5520/ D6510/ D7500/ D8400

SYSTEM SPECIFICATIONS

Model	D5520	D6510	D7500	D8400
Panel size	55" (48.5" horizontal x 27.9"vertical)	65" (56.2" horizontal x 31.6" vertical)	75" (65.9" horizontal x 37.5" vertical)	84" (73.25" horizontal x 41.2" vertical)
Display type/ Backlight	Liquid Crystal Display (LCD)/ LED system			
Resolution	1,920 x 1,080 dpi	1,920 x 1,080 dpi	3,840 x 2,160 dpi (4K)	3,840 x 2,160 dpi
Color	16.7 million (8 bit color processing)	1.07 billion (10 bit color processing)		
Brightness	450 cd/m2	350 cd/m2	410 cd/m2	350 cd/m2
Aspect ratio	16:9			
Contrast ratio	1,100:1	4,000:1	1,200:1	1,400:1
Pixel pitch	0.630 x 0.630 mm	0.744 x 0.744 mm	0.429 x 0429 mm	0.4845 x 04845 mm
Response speed	12 milliseconds	8 milliseconds		5 milliseconds
Viewing angle (H/V)	Left and Right: 178° Up and Down: 178°			
Display glass	3 mm thick anti-glare glass			4 mm thick anti-glare glass
Touch sensor				
Technology	Shadow Sense			Infrared Touch
Maximum touch points	10 [When IWB software is active, max. number of touch points is 4]			
Touch resolution	1,920 x 1,080 dpi	1,920 x 1,080 dpi	12bit X, 12 bit Y (Sun pixel on FHD)	1,920 x 1,080 dpi
Touch screen interface	USB 2.0 Type B (located on side panel; D7500 and D8400: located on the bottom)			
Touch accuracy	+/- 6.5 mm (over 90% area)			+/- 10 mm (over 90% area)
Operating system support	**Multi-touch (up to 10):** Windows® 7, 8, 8.1, 10 **Single Touch:** Windows® 7, Mac® OS 10.6+			
General				
Video input	Mini D-Sub 15-pin (VGA) x 1, HDMI x 1 (HDCP compliant), DVI-D x 1 (HDCP compliant; D8400: DVI-D x 2), DisplayPort x 1 (HDCP compliant), USB 2.0 Type A (for video device power supply only)			
Video output	DisplayPort x 1			
Audio input / output	In: 3.5 mm Line in Jack x 1 (For VGA, DVI) Out: +/- Speaker Terminals x 1 pair			
Touch screen control	USB 2.0 Type B x 1			
Display control	RS-232c x 1 (Input), RS-232c x 1 (Output)			
Dimensions (W x D x H)	52.9" x 4.7" x 30.3" (1,345 x 119 x 770 mm)	60.9" x 6.0" x 34.9" (1,546 x 154 x 888 mm)	70.2" x 7.8" x 41.5" (1,783 x 198 x 1,055 mm)	76.2" x 5.16" x 44.56" (1935 x 131 x 1134mm)
Weight	101.4 lbs. (46 Kg)	132.3 lbs. (60 Kg)	205.0 lbs. (93 Kg)	228.8 lbs. (104 kg)
Power source	AC 100 – 240 V / 50 – 60 Hz			
Power consumption operating / standby	< 255 W / < 0.5 W	< 350 W / < 0.5 W	< 420 W / 0.5 W	< 564 W / < 0.5 W
Power consumption standby	< 0.5 W			
Advanced display features	RS232 Control Daisy Chain, Picture Mode (including Low Blue Light mode), Backlight, Adaptive Contrast (Dimming Control), Brightness, Chroma, Phase, Sharpness, Color Temperature, Treble, Bass, Balance, Volume, Mute, Speaker, Audio Source, Picture-in-Picture, Picture-by-Picture, Aspect, Adjust Screen, Touch Feature, Language, Power Save, Control Setting, Touch Control Setting, Set Monitor ID, Advanced Features, Information			
Remote sharing function	Up to 20 interactive whiteboards and projector systems. Up to 20 browser viewers per interactive whiteboard (business controller only). Up to 50 remote devices (iOS®, Android® and Windows®)			
Remote PC operation	Yes			
Bluetooth	Supported, v2.1+EDR V3.0/V4.0	Supported, v2.1+EDR V3.0/V4.0	V2.1 + EDR v3.0/v4.0	N/A
Windows® 10 Controller				
CPU	Intel® Core i5 6500TE 2.3GHz			
Operating System	Windows 10®			
HDD	500 GB			
RAM	16 GB			
Business (Ricoh) Controller				
CPU	Intel® Core i5 4590T 2.1GHz			
Operating System	Windows® Embedded Standard 8 64bit			
SSD	64 GB			
RAM	8 GB			
Options				
Interactive whiteboard stands	Type 2	Type 3	Type 4	Type 4
More options	Pen Sensor Kit Type 3, Interactive Whiteboard Remote License Type 1			
Web/videoconferencing options	Built-in speakers: 12 W x 2 (Stereo)Built-in microphone: 58 dB S/N Ratio Optional video camera: Camera Unit Type 1	Built-in speakers: 12 W x 2 (Stereo)Built-in microphone: 58 dB S/N Ratio Optional video camera: Camera Unit Type 1	Built-in speakers: 12 W x 2 (Stereo) Optional video camera: Camera Unit Type 1	Built-in speakers: 12 W x 2 (Stereo) Optional video camera: Camera Unit Type 1

Item	Description	EDP Code
Remote license	RICOH® Interactive Whiteboard Remote License Type 1	431128
Windows® Controller	Controller with Windows® 10	432308
Business Controller	RICOH® Interactive Whiteboard Controller Type 1	432071
Pen sensor	RICOH® Interactive Whiteboard Pen Sensor Kit Type 3	432219
Camera unit	RICOH® Interactive Whiteboard Camera Unit Type 1	432221
Wireless Touch Keyboard	Logitech® Wireless Touch Keyboard and Touchpad	920-007119
55" IWB	RICOH Interactive Whiteboard D5520	432206
65" IWB	RICOH Interactive Whiteboard D6510	432212
75" IWB	RICOH Interactive Whiteboard D7500	432224

Item	Description	EDP Code
84'' IWB	RICOH Interactive Whiteboard D8400	432098
Stand	Interactive Whiteboard Stand Type 2	431196
Stand	Interactive Whiteboard Stand Type 3	432135
Stand	Interactive Whiteboard Stand Type 4	432290

Disclaimer: Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. USB with security or anti-virus software installed are not compatible. Remote sharing function requires Remote License. Remote License is required for collaborative meetings. For wall mounting, use a standard VESA 400x400 mount (not supplied by Ricoh). Via intranet, required line speed: Min. 200Kbps, recommended over 512Kbps. For availability of models, options and software, please consult your local Ricoh supplier.

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