Samsung MagicIWB Solution (Interactive White Board)

A high-impact presentation solution for collaborative and interactive business and educational environments

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Enhance interaction in meeting rooms and classrooms with an interactive whiteboard solution.

Deliver rich content and interactivity to meeting rooms or classrooms

Developments in display technology provide exciting options for information sharing in educational and business applications. Businesses and educational facilities are adopting touch display technology to improve learning and provide high-quality, effective presentations.

Both educators and business executives require enhanced interactivity between facilitators and participants. Large format displays (LFDs) are replacing traditional projectors to meet the demands of multimedia and to attract viewer attention. Interactive e-Boards enable the use of creative, collaborative methods to present and distribute information.

Whether they are facilitating interaction between business meeting facilitators and audiences or teachers and students, professionals require:

- Greater control of the presentation environment without the need to darken the room, reducing glare and audience fatigue

- Engaging visual and audio presentations for various types of content with reduced operational expenses

The traditional projectors used for presentations pose distractions and limitations, such as dazzling glare, dim visibility and low image quality. Samsung MagicIWB (Interactive White Board) with optional touchscreen technology delivers higher readability with greater brightness and Full High Definition (FHD) quality. In addition, the interactivity provided by MagicIWB solution helps hold audience attention and increases participation, enhancing the overall learning and information sharing experience.

As businesses want to decrease budgets, the need to find cost-saving methods of teaching and distributing information increases. MagicIWB offers a longer life span and reduced need for maintenance compared with traditional projectors.

The complete MagicIWB solution consists of the following elements:

- **MagicIWB Board I.** MagicIWB Board I is a powerful software solution that provides simplified, direct access to e-books, CDs, videos, animations, images, Microsoft® PowerPoint® presentations and Internet content.

- **MagicIWB Manager.** The MagicIWB Manager connects teachers' and students' or presenters' and attendees' devices to encourage interactive communication. Participants can share files and other materials, and teachers or presenters can control audience devices during classes and presentations.

- **MagicIWB Agent.** MagicIWB Agent, which installs on the various mobile devices, wirelessly connects and enables interaction between the electronic whiteboard and attendees' PCs or tablets running multiple operating systems. Combined with MagicIWB Board I software solution, attendees can access and share PowerPoint presentations, video, and more with the touch of a finger.

Share information between displays and user devices.

Communicate and share information brightly and clearly

Integrated into smart meeting rooms, Samsung LFDs and MagicIWB Board I provide attention-getting presentation environments. Once strictly limited to signage, Samsung LFDs can take the place of projectors in various business applications. Using an LFD rather than a traditional projector, a presenter has no need to shut off room lighting or endure the glare of a projector bulb.

With innovative advances in touchscreen technology and display technology, LFDs deliver high-quality images without the distortion, blur or glare inherent in traditional projectors.

The result is productive, distraction-free presentations that provide:

- Reduced light scatter and reflection

- Broader color contrast ratios and deeper blacks

- Sharper, smoother pictures, even when images are moving at high speeds

- Brighter picture quality

- Virtually no visual distortion

Connect multiple displays and users to fulfill a range of meeting needs

MagicIWB Board I provides a range of features tailored to fulfill myriad client needs. For added versatility, LFDs can be transformed into e-Boards with the simplified installation of an optional overlay touchscreen. Overlay touchscreens provide a multitouch experience. A special antiglare film covers the surface of the overlay for a smooth writing surface and a real handwriting feel.

Figure 1. MagicIWB connects personal devices and e-Boards together for dynamic engagement.

The displays can be linked together to create an interactive video wall. Users who use writing software on their PCs can connect the PC to the display with a USB cable.
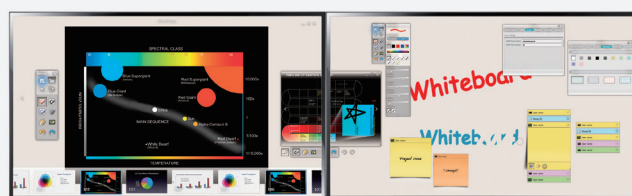

Figure 2. Facilitators and users can write directly on the optional touch overlay using their fingers, the included Touch Pen, or included writing software.

Choose from a range of display sizes

Clients can choose from variously sized displays and equip them with overlay touchscreens. The touch overlay includes optional writing software. After the software is installed on a PC, users can connect the PC to the display using a USB cable. For clients who have a broad range of lecture room sizes, this choice provides the flexibility to select the best display size for each location.

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Share files, take notes and present rich multimedia content.

Use displays as collaboration and business tools

Clients can use Samsung LFDs to collaborate and perform various business messaging functions. This process requires MagicInfo(R) Premium i signage software along with the overlay touchscreen and writing capability in cases where clients use a Samsung Setback Box (SBB). Clients who want to display specific messages during lecture or meeting breaks typically choose this option.

Go for a big impact with multiple screens to engage multiple users

Presenters can multiply the size of an e-Board with the multiscreen feature of MagicIWB Board I. This feature expands the e-Board across multiple displays while the user manipulates the same, single menu to control the contents.

The multi-user feature available with multi-screen feature allows users to have independent control menu for each display. With this feature, individual users can write comments on each display using different pen colors as well as erase their remarks using the eraser function. Enhanced interactivity through the multi-user feature can encourage collaborative business and learning environments.
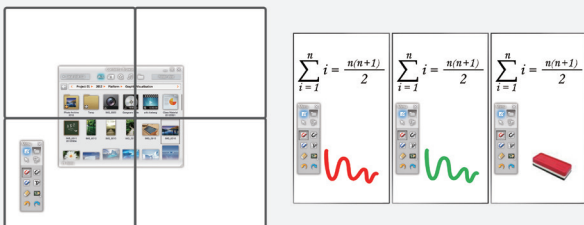
Figure 3. Multiple screens as a single e-board or independent e-boards.

In addition, multiple learning and presentation modes are provided for enhanced impact. Choices include:

- **Digital sharing.** All participants can exchange information.

- **Presentation.** Users can display content from their devices for dynamic visualization.

- **Collaboration.** Individuals and groups can work together to achieve a common goal.

Encourage interactive communication and collaboration with MagicIWB Manager

MagicIWB Manager software connects teachers' and students' or presenters' and attendees' devices to encourage interactive communication. Presenters and participants can share files and other materials with audience devices, or between e-Boards even when those devices are in physically separate locations. In addition, teachers and presenters can control students' or attendees' devices during sessions. These features are enabled by the MagicIWB Agent program installed on students' or participants' devices and a facility's wired and wireless networks.

Provide fast note-taking and sharing

Business users and students can use the included quick memo function, available within MagicIWB Agent, to quickly insert comments and thoughts into presentations. They can then post those comments to the presentations over wired and wireless networks. Along with their teachers and presenters, individual users can also share those notes on their personal devices (Windows® PC, Apple® Mac®, Samsung GALAXY Tab®, or Apple iPad®).
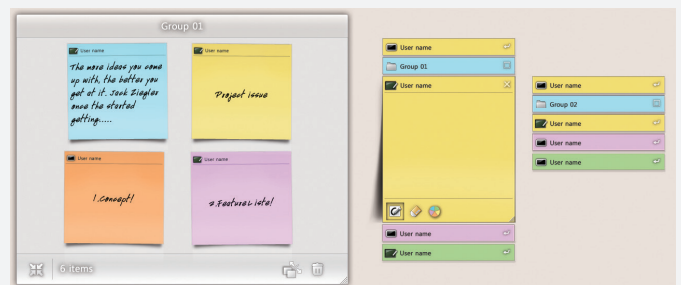
Figure 4. The memo function enables simple memo taking and sharing between users' and facilitators' screens

Install a solution that expands upon existing assets.

Share notes to other files with support for standard office applications

MagicIWB solution provides cross-functionality with PDF files as well as Microsoft® Office applications, including Microsoft Word, Excel® and PowerPoint®. Both business users and students can write and save notes in these file types without importing or transcribing their note files. Teachers and presenters can open or share these file types directly onto the displays while presenting, writing notes, and saving the files without unnecessary extra steps for file conversion.

In addition, the handwriting recognition supported on MagicIWB Board I makes it easier for users to input text on the office applications. The handwriting is automatically converted to text format, helping dramatically reduce file size and enabling users to search the notes with more ease.
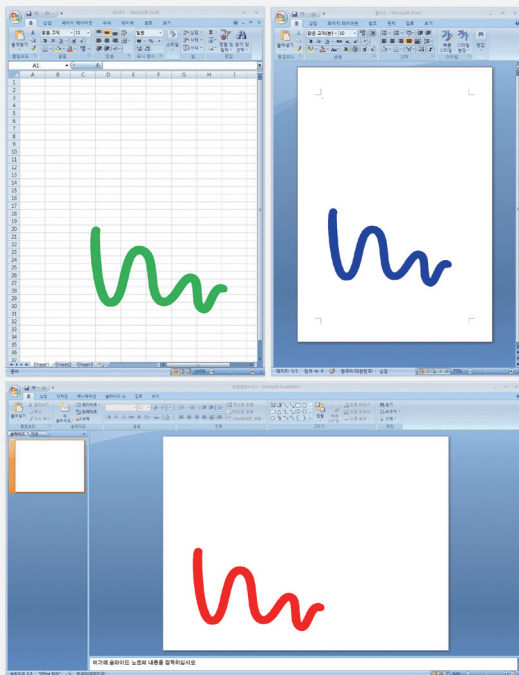

Figure 5. Use touchscreen to make direct input on Microsoft Office documents with ease.

Deliver engaging experiences with dynamic touchscreen interactivity

MagicIWB Board I helps facilitators deliver rich content in a dynamic way that encourages participants to interact. MagicIWB Board I provides:

- **More accurate presentations.** Control and interact with content more easily using the intuitive touchscreen that responds to the touch of a finger or Touch Pen.

- **An enhanced gesture interface.** Manipulate on-screen information quickly using two-hand gestures to move through presentation pages or shift windows on-screen.

- **Floating menus.** Long-press anywhere on the screen to display a floating menu, and flick to move the menu to another location.
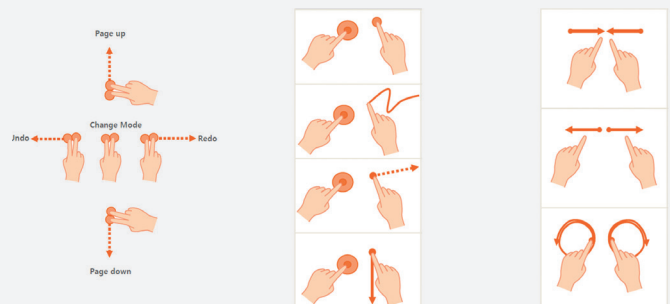

Figure 6. Magic IWB Board I supports two-hand gesture input so facilitators can quickly move windows or pages on the screen.

Save labor and operating costs with simplified installation and maintenance

As budgets decrease, the need to find cost-saving methods of teaching and distributing information increases. MagicIWB Board I boasts a longer life span and reduced need for maintenance compared with traditional projectors.

When choosing Samsung's slim, light LFDs with MagicIWB solution, clients enjoy simplified installation and maintenance. Samsung's LED technology provides significantly sharper, smoother and brighter picture quality without visual distortion. Not only are these benefits superior to those of traditional projectors, they also compare favorably with the features of other e-Boards using top or rear projection.

Improve audience engagement and return on display investment.

Features and benefits

	Benefits
MagicIWB Board I	Pique interest in presentations with direct access to rich content and interactive tools.
MagicIWB Manager	Encourage interactive communication with file sharing connectivity on participants' tablets.
MagicIWB Agent	Access and share content with attendees with the touch of a finger.

Figure 7. Samsung LFDs with MagicIWB Board I encourage audience attention and interaction in professional and educational environments.

Enrich presentations with interactive, hands-on participation

Information-sharing methods worldwide are rapidly evolving. With advances in digital technology taking place every day, learning institutions and businesses are uncovering powerful ways to enhance the education and communication process.

The low quality and high-maintenance costs of traditional information delivery methods, such as projectors, make these methods ineffective for today's classrooms and meeting rooms. MagicIWB Board I offers superior-quality display technology and dependability, resulting in reduced operating costs.

Equipped with touchscreen technology and powerful collaboration tools, MagicIWB solution represents a smart choice over traditional communication methods. The solution gives teachers and facilitators the power to deliver dynamic, engaging lessons and presentations that leave a lasting impression while enhancing the audience experience.

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Specifications

Case	Minimum	Recommended	OS
Single Screen	AMD A8-3510M 1.8G Quad-core / 4GB Memory / 128G PIM(SBB-PQ28BP4)	i5 Quad-core CPU / 4GB Memory / External Graphic Card	
Single Screen + MagicIWB Manager (Without Screen Sharing)			
Single Screen + MagicIWB Manager (With Screen Sharing)	i5 Quad-core CPU / 4GB Memory / External Graphic Card	i7 Quad-core CPU / 8GB Memory / External Graphic Card	Windows 7 Professional Service Pack1 (32 bit, 64 bit) Windows 8 Professional (32bit, 64bit)
Multi-Screen (2 screens)			
Multi-Screen (2 screens) + MagicIWB Manager (Without Screen Sharing)			
Multi-Screen (3 ~ 4 screens)	i7 Quad-core CPU / 8GB Memory / External Graphic Card	i7 Quad-core CPU / 8GB Memory / External Graphic Card	
Multi-Screen (up to 4 screens) + MagicIWB Manager (With Screen Sharing)			

** Video recording requires high HW spec (Corresponding to the HW spec of MagicIWB Manager **with Screen sharing**)*
* Contact SAMSUNG Sales-force for External Graphic Card Spec

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For more information

For more information about Samsung MagicIWB (Interactive White Board) solution, visit www.samsung.com/business or www.samsung.com/displaysolutions

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