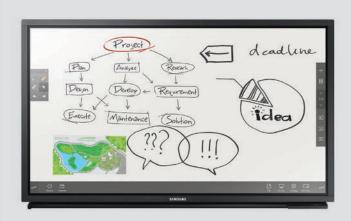# Samsung SMART Signage DME-BR Series

Ready-to-use, All-in-one e-Board Display Package for Corporate and Educational Organisations

Highlights

- Allows presenter and participants to interact and exchange content between e-Board and the devices being used by the audience

- Enables you to engage your content with a stylus or simple flicks and gestures of your hand

- Offers the ability to draw and save on a range of sources which gives you more options for using a wider spectrum of content in your presentation

- Provides full control of your presentation through user-friendly menus and file management tools

- Reduces set-up time with a portable solution that doesn't require a dedicated PC

An integrated solution for your business or educational space that allows you to unleash the potential of your presentations

As we face an era of perpetual innovation and information overload, communication needs to evolve alongside this growth and act as a beacon of light to hold our attention. Particularly when it comes to closing deals in business meetings or deeply connecting with the minds of the future in educational settings. Few environments stand to benefit more from interactive whiteboard solutions than corporate boardrooms and classrooms, where messages need to sink deep into their intended audience to make lasting impacts. Samsung has brought their e-Board Solution to these spaces and continues to tailor the user experience to achieve the desired outcomes that the user is seeking.

Building a productive workplace that ensures optimum levels of communication and collaboration

Samsung e-Board acts as a conduit to bring efficiency to the workplace, through fostering an atmosphere for enhanced communication and immersive collaboration. With e-Board in the boardroom, brainstorming and idea-sharing have never been better supported through its interactive display that facilitates rapid idea generation, retention and application. Deep dissemination of product or service knowledge between product development teams and sales teams can now be achieved through collaborative exchanges involving IWB and a captive audience that can now find themselves fully interactive, while never having to leave the comfort zone beyond their laptops and mobile devices.

SAMSUNG

Tap into the immersive potential of your boardroom and learning environment with the interactivity of Samsung MagicIWB.

Figure 1. Increase productivity with interactive meetings

New lines of communication between teachers and students with an interactive presentation environment

Gone are the days of educators needing to factor in the logistics of a typical projector system and the pitfalls and distractions that they come with. Samsung e-Board converts these past shortcomings into strengths through effective utilisation of FHD displays and interactive whiteboards. New lines of communication between teachers and students can now be forged, through data and file-sharing capabilities between the e-Board and devices of students, thus further creating an interactive presentation environment that holds attention spans and creates opportunity to diversify learning approaches. Samsung e-Board is well suited to help you convert your classroom into an intensive and engaging learning environment.

Figure 2. New lines of communication in the classroom

Allow MagicIWB S2 to Bring Your Boardroom to Life with Vivid and Engaging Presentations

In this era of information overload, it has become critical to use time effectively to get your message across, while ensuring that your audience remains captive. A challenging task, however, Samsung MagicIWB S2 was built to give you a new layer of support when seeking to deliver vivid, presentation-oriented meetings. This convenient solution comes embedded in the DME-BR series, which brings a new dimension of portability and ease-of-use that catapults it to the forefront of e-board technology. MagicIWB S2 is perfectly tailored to be used in the dynamic spaces and settings of modern offices through use of a range of feature-rich capabilities that have been crafted to make your presentations more productive, regardless if you consider yourself to be a quick or slow adopter of technology

- **No Dedicated PC required for e-board.** Fully portable and flexible to minimise set-up time and allow for impromptu meetings through the use of enhanced expandability, enabling you to use laptops and tablets, simplified connectivity via multiple source inputs and effective utilisation of USB Auto Switching

Figure 3. Embedded e-Board Solution that doesn't require a dedicated PC

- **Connectivity.** A full range of connective capabilities are at your fingertips, allowing you to easily import content from differing sources. Multiple input ports enable customers to connect most devices to the display to share information from different sources.

SAMSUNG

MagicIWB S2 and the optional MagicIWB I2 drive productivity while offering new levels of communication

- **Draw and Save on Various Sources.** Interact with your content and visually expand on your concepts through leveraging the functionality to draw on any source (TV, HDMI, AV, DSUB) or draw with PIP (Picture-in-Picture), with the ability to save and share your results.

- **Email Sharing.** Ensure high levels of engagement between you and your audience through email interaction that allows you to share files or screen captures during the presentation or conveniently send meeting results after the presentation has come to an end.

- **Easy Floating Menu.** Navigation and utilisation of your content is now easier than ever, through being able to merely flick floating menus to the side with your hand and work with your content using simple gestures that are designed to reduce the need for multiple clicks.

Figure 4. Feature for Easy Floating Menu and Draw on any Source

Discover New Levels of Engagement with MagicIWB I2 by Converting Listeners into Participants

MagicIWB I2 is an optional advanced e-Board solution which is provided with selective Samsung PIM (Plug-in-Module) and it can run on the DME-BR series by simply adding the PIM.

MagicIWB I2 acts as a foundation to facilitate highly collaborative and interactive business and educational situations. Through proper utilisation of MagicIWB I2's interactive whiteboard, the traditional roles of speaker and listener are now able to evolve into new roles of facilitator and participant, where the audience is able to find themselves immersed in a new environment that brings them further into the learning and information sharing experience through expanded capabilities.

Home Menu. Acting as a central hub for enhanced ease-of-use, the Home Menu provides you with the capability to access all your files, recent work, multimedia files, and review usage history.

Handwriting Recognition. The advanced technology behind MagicIWB I2's handwriting recognition offers the power to instantly convert handwriting into text, which can then be quickly and conveniently saved and utilised by users.

Quick Memo. Rapid note-taking and sharing is possible through Quick Memo, which allows users to utilise internet connectivity to post comments to presentations or share their notes with each other on their wireless devices.

Mobile Device Interaction. Maintain an active audience by facilitating interaction with mobile devices to connect, converse, and share documents with you through the interface. (Supports Windows, Apple and Android)

File Manager. Have complete control over your files through a highly usable interface just like what you'd be used to when using your PC. Easily create, save, and export your meeting history through the history browser or remain organised by making use of the contents browser to manage your images, audio, and videos.

Figure 5. Handwriting Recognition

SAMSUNG

Ensure high levels of engagement and productivity with functions designed for optimum usability

Ready-to-use, all-in-one e-board display package with Hand Touch and MagicIWB software

Hand Touch e-Board (DM65/75/82E-BR)

The touch interfaces that you have come to know and depend on for daily use, such as with smartphones, have transcended personal use and are now embedded in our e-Boards. Employing those same gestures, habits and ease-of-use, the learning curve for adjusting to our Hand Touch e-Board will be understandably short.

Embrace the New Frontier of e-Board Technology from Samsung MagicIWB

Leveraging Samsung's aspiration for creating dynamic and highly usable platforms, Samsung MagicIWB takes your e-Board experience to the next level with heralded innovations that allow for your educational and business environments to become more immersive and your audiences to become more engaged. Let Samsung MagicIWB lead your way forward to realise new horizons of communication.

	Hand Touch e-Board (DM65/75/82E-BR)
Display	- 65", 75" and 82" sized display ensures maximum readability in both classrooms and meeting rooms
Design	- Display and touch come pre-assembled from factory for your convenience - Round Edge Display allowing for high usability - e-board style design
Touch	- Infrared touch screens allow for dual drawing capabilities and enable up to 10 touch points
Tray	- Pen tray for easy storage - 3 control buttons, HDMI In and Touch Out
Pen	- Dummy Pen x 1
Software	- MagicIWB S2 embedded - MagicIWB I2 compatible (additional PIM is required)

Figure 6. Packaged Offering of DME-BR

SAMSUNG

Samsung DME-BR Series

DM82E-BR

82"

Connectors

1. RS232C IN
2. RS232C OUT
3. IR/AMBIENT SENSOR IN
4. RGB/DVI/HDMI/AV/ COMPONENT AUDIO IN
5. AUDIO OUT
6. SD CARD
7. USB (5V 1A)
8. USB (5V 1A) TOUCH IN
9. EVI/MAGICINFO IN
10. DP IN
11. HDMI IN 1
12. HDMI IN 2
13. TRAY IN
14. RGB IN
15. TOUCH OUT
16. AV IN
17. IR OUT
18. RJ45
19. HDMI IN 3
20. USB

SAMSUNG

Samsung DME-BR Series

*DM82E-BM will be available in 2015 and specifications is subjected to change without notice

Specifications

		DM65E-BR	DM75E-BR	DM82E-BR
Panel	Diagonal Size	65"	75"	82"
	Type	120Hz E-LED BLU	240Hz D-LED BLU	120Hz E-LED BLU
	Resolution	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
	Pixel Pitch (mm)	0.248(H) × 0.744(V)	0.2865(H) × 0.8595(V)	0.3135(H) x 0.9405 (V)
	Active Display Area	1428.48(H) x 803.52(V)	1650.24(H) × 928.26(V)	1805.76(H) x 1015.74(V)
	Brightness(Typ.)	380nit (with touch glass)	380nit (with touch glass)	430nit (with touch glass)
	Contrast Ratio (Typ.)	4000:1	5000:1	5000:1
	Viewing Angle(H/V)	178:178		
	Response Time (G to G)	6ms	4ms	8ms
	Display Colours	10bit Dithering - 1.07Billion		
	Colour Gamut	72%	72%	68%
Display	Dynamic C/R	50,000:1		
	H-Scanning Frequency	30 ~ 81kHZ		
	V-Scanning Frequency	48 ~ 75HZ		
	Maximum Pixel Frequency	148.5MHz		
Sound	Speaker type	Built in Speaker(10W + 10W)		
Connectivity	Input — RGB	Analog D-SUB, DVI-D, Display Port 1.2		
	Input — Video	Rear: HDMI1, HDMI2, Front Connectivity Box: HDMI3 Component(CVBS Common)		
	Input — Audio	Stereo mini Jack		
	Input — USB	Rear: USB 2.0 X 1, Touch in X 1, Front Connectivity Box: USB 2.0 X 2, Touch out (USB Upstream)		
	Output — RGB	N/A		
	Output — Video	N/A		
	Output — Audio	Stereo mini Jack		
	Output — Power out	N/A		
	External control	RS232C(in/out) thru stereo jack, RJ45		
	External sensor	IR, Ambient Light		
Power	Type	Internal		
	Power supply	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz		
	Power consumption — Max[W/h]	264	308	495
	Power consumption — Typical[W/h]	200	TBD	329
	Power consumption — BTU(Max)	900.24	1050.28	1687.95
	Power consumption — Sleep mode	less than 2 W	less than 0.5W	less than 0.5W
	Power consumption — Off mode	less than 0.5W	less than 0.5W	less than 0.5W
Mechanical specifications	Dimension (mm) — Set	1535.3 x 910.4 x 76.6	1756.1 X 1034.1 X 74.1 (handle 109.1)	1911.8 X 1121.7 X 140 (178 Handle)
	Dimension (mm) — Package	1665 X 1040 X 250	1895 x 1122 x 301	2069 X 1280 X 513
	Weight (kg) — Set	46.1	59	78.2
	Weight (kg) — Package	54.1	69	94.6
	VESA Mount	400*400mm	400*400mm	600*400mm
	Protection Glass	N/A		
	Stand Type	Foot Stand (Optional)		
	Media player option type	Embedded, SBB(Attachable), PIM(Attachable)		
	Bezel Width (mm)	39.9		
Operation	Operating temperature	0℃ - 40℃		
	Humidity	10~80%		

SAMSUNG

Samsung DME-BR Series

Specifications

			DM65E-BR	DM75E-BR	DM82E-BR
Feature		Key	Slim & Light LFD with Built-in MagicInfo Player S3, MagicIWB S2		
	Special	H/W	Super Clear Coating, Temperature Sensor, Clock Battery(80hrs Clock Keeping), Built-In Speaker(10W x 2), WiFi Module Embedded, SD Card Slot, Front Connectivity Box		
		S/W	Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play, PIP/PBP, Image Rotation, Button Lock, Built-In MagicInfo Player S3, MagicIWB S2, Magic Presenter, USB Auto Switching, Firmware Update by Network, LFD New Home Screen, PC-less VideoWall, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, MagicPresenter		
	Internal player (Embedded H/W)	Processor	Cortex-A9 1GHz Quad Core CPU		
		On-chip cache memory	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB		
		Clock speed	1GHz CPU Quad		
		Main memory interface	1.5GB Dual 48bit DDR3-933 (1866MHz)		
		Graphics	2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES		
		Storage	8GB (2GB Occupied by O/S, 5.35GB Available)		
		Multimedia	Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG,VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.		
		IO ports	USB 2.0 x 3, Touch in X 1, Touch out X 2		
		Operating system	Samsung Proprietary OS(VDLinux)		
Certification		Safety	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS(India) : IEC60950-1 / IS13252 NOM(Mexico) : Tuner : NOM-001-SCFI-1993, Tunerless : NOM-019-SCFI-1998 KC(Korea) : K 60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 RCM(Australia) : IEC60950-1/AS/NZS 60950-1 CSA (Canada) : cUL UL(USA) : cUL60950-1 TUV (Germany) : CE NEMKO (Norway) : CE		
		EMC	FCC (USA) : Part 15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 VCCI (Japan) : VCCI V-3 C-Tick (Australia) : AS/NZS CISPR22:2009 CCC(China) : GB9254-2008, GB17625.1-2012 GOST(Russia/CIS) : GOST R 51317 Series, GOST 22505-97, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003		
		Environment	N/A		
Accessories	Included	Basic	Quick Setup Guide, Regulatory Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter, COVER-JACK		
		Touch	65" IR Type	75" IR Type	82" IR Type
		Tray	Pen Tray with 3 control buttons, HDMI in and Touch Out		
		Pen	Dummy Pen x1	Dummy Pen x1	Dummy Pen x1
	Optional	Stand	STN-L7585F		
		Mount	WMN4675MD WMN4277SD WMN6575SD	WMN4675MD WMN4277SD WMN6575SD	WMN8200SD
Media Player			SBB(Optional), PIM(Optional)		

SAMSUNG

Legal and additional information

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, and semiconductor and LED solutions. We are also leading in the Internet of Things space through, among others, our Smart Home and Digital Health initiatives. We employ 307,000 people across 84 countries with annual sales of US $196 billion. To discover more, please visit our official website at www.samsung.com and our official blog at global. samsungtomorrow.com

For more information

For more information about Samsung SMART Signage e-board solutions, visit www.samsung.com/business

To learn more about the Samsung Smart Signage Platform, please visit: www.samsung.com/business

Samsung Electronics (UK) Ltd.

Samsung House

1000 Hillswood Drive

Chertsey, Surrey KT16 0PS

SAMSUNG