Samsung Display Solutions

INTERACTIVE DISPLAY SOLUTIONS
Interactive touchscreens revolutionized smartphones and tablets with their ability to simplify navigation and share information instantly. Samsung – the market leader in consumer displays and touchscreens – also offers a complete interactive displays solution for business, retail and education. The solution enables whole new ways to drive employee productivity, engage retail shoppers and accelerate student learning.
Intuitive MagicIWB Software
MagicIWB software turns the Samsung interactive displays into innovation spaces. MagicIWB lets users quickly access and edit productivity applications, Web resources and digital files (text, video, audio). So meetings are more productive and learning is more interactive.

Versatile and Flexible Solution
Samsung provides maximum flexibility by offering many different interactive-ready models in a wide range of sizes (32”-85”). Just attach a Touch Overlay module and media player to meet almost any need.

Samsung Quality and Reliability
Samsung manufactures millions of advanced LED displays and touchscreens each year. We invest billions of dollars in R&D and manufacturing. So our interactive displays are built to world-class quality and reliability standards.

Easy to Install, Simple to Manage
Samsung displays are strong yet lightweight, so they are easy to install. The Touch Overlay modules simply attach over the compatible LED display and require tightening just six screws for a seamless finish and a sleek look. Also all-in-one display packages come with the Touch Overlay solution all included right out of the box for a convenient and easy to use solution.
DEPLOY INTERACTIVE DISPLAYS WITH THREE SIMPLE STEPS

1. CHOOSE A PANEL AND A TOUCH OVERLAY

Choose from a variety of models to suit your needs:

<table>
<thead>
<tr>
<th>Panel</th>
<th>Super-slim PEC Series with highest-brightness screens</th>
<th>Slim &amp; Light DBE Series with Built-in MagicInfo Player S3</th>
<th>Slim DHE, and DME series with Built-in MagicInfo Player S3</th>
<th>Slim QME Series with 4x the pixels compliant to full HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>60Hz LED BLU</td>
<td>60Hz D-LED BLU</td>
<td>60Hz D-LED BLU</td>
<td>120 Hz Slim Direct LED BLU</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 x 1080 (16:9)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brightness (Typ.)</td>
<td>700 nit</td>
<td>350 nit</td>
<td>400-700 nit</td>
<td>500 nit</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>5000:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Hours</td>
<td>24/7</td>
<td>16/7</td>
<td>24/7</td>
<td>24/7</td>
</tr>
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</table>

Connectivity:

<table>
<thead>
<tr>
<th>Input</th>
<th>White, HDMI, Component (CVBS Common)</th>
<th>White, HDMI, Component (CVBS Common)</th>
<th>White, HDMI, Component (CVBS Common)</th>
<th>HDMI (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio</td>
<td>Stereo Mini Jack</td>
<td>Stereo Mini Jack</td>
<td>Stereo Mini Jack</td>
<td>Stereo Mini Jack</td>
</tr>
<tr>
<td>Output</td>
<td>DP1.2 (Loop-out)</td>
<td>N/A</td>
<td>DP1.2 (Loop-out)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Touch interactivity is enabled by attaching a compatible Touch Overlay module (sold separately). The module is made with scratch-resistant glass and specially coated so that writing feels just like it does on conventional whiteboards. The Touch Overlays also have an anti-glare film for optimal viewing - even in bright light.**

Display Size

<table>
<thead>
<tr>
<th>Display Size</th>
<th>32&quot;</th>
<th>40&quot;</th>
<th>46&quot;</th>
<th>48&quot;</th>
<th>55&quot;</th>
<th>65&quot;</th>
<th>75&quot;</th>
<th>85&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CY-TD55LDAH</td>
<td>CY-TP55LCC</td>
<td>CY-TP55LDAH</td>
<td>CY-TP55LDAH</td>
<td>CY-TE65LCC</td>
<td>CY-TE65LDAH</td>
<td>CY-TE65LDAH</td>
<td>CY-TE85LDA</td>
</tr>
<tr>
<td>Mechanical Spec</td>
<td>Glass Thickness (mm)</td>
<td>2.8</td>
<td>2.8</td>
<td>2.8</td>
<td>2.8</td>
<td>2.8</td>
<td>3.2</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td>Glass</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
<td>AG (Front), PET (Rear)</td>
</tr>
<tr>
<td></td>
<td>Glass Reflection Rate</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td>Glass Haze</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
<td>&lt;15%</td>
</tr>
<tr>
<td></td>
<td>Frame Material</td>
<td>Aluminum Extrusion</td>
<td>Plastic Mold Injection (ABS)</td>
<td>Aluminum Extrusion</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bezel Width (mm)</td>
<td>26.5</td>
<td>23.6</td>
<td>22.6</td>
<td>30</td>
<td>26.5</td>
<td>32.8</td>
<td>26.5</td>
</tr>
<tr>
<td></td>
<td>Touch Technology</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td></td>
<td>Response Time</td>
<td>12 ms</td>
<td>12 ms</td>
<td>13-14 ms</td>
<td>13-14 ms</td>
<td>11-13 ms</td>
<td>11 ms</td>
<td>11-12 ms</td>
</tr>
<tr>
<td></td>
<td>Operating System</td>
<td>Windows 8, Windows 7 Home Premium and up, Windows XP, Embedded Windows 7/XP, Mac OS X Lion and up, Linux Ubuntu/Fedora/OpenSUSE/CentOS/Mint</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Accessory</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
<td>MagicIWB</td>
</tr>
</tbody>
</table>
The MagicIWB software is easy to learn and easy to use. In a matter of minutes, users can open files, play videos, take notes, draw pictures or browse the Web - All right on the display. Use MagicIWB to:

- Launch MagicIWB Software
- View and edit Word, Excel) content, and MagicIWB automatically
- Respond to a finger touch or stylus pen
- Hand gestures

Want even more flexibility? Connect a Windows PC or notebook or a third party media player to the Samsung interactive displays.

### Samsung Interactive Displays

Samsung's DME-BR/MB and QMD-BR provide an All-in-One solution for your Interactive Whiteboard necessities by simplifying the 3 steps above. This ready-to-use interactive Interactive Whiteboard package provides an integrated solution for your business or educational space that allows you to unleash the potential of your presentations and increase productivity.

#### 3 LAUNCH MAGICIWB SOFTWARE

The MagicIWB software is easy to learn and easy to use. In a matter of minutes, users can open files, play videos, take notes, draw pictures or browse the Web - All right on the display. Use MagicIWB to:

- Access websites, e-books, videos and data files
- Edit Microsoft® Office applications (PowerPoint, Word, Excel) content, and MagicIWB automatically converts the handwriting into text format
- Manipulate on-screen information easily with simple hand gestures
- Control and interact from a touchscreen that responds to a finger touch or stylus pen
- Share content with notebooks and tablets (iOS®, Windows®, Android®, Mac OS®, Chrome IS®)

### Samsung Media Players

<table>
<thead>
<tr>
<th>Model</th>
<th>SBB-C</th>
<th>SBB-D</th>
<th>PIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>A4-3310M Dual Core</td>
<td>AMD RA425, 2.5GHz Quad Core (SBB-D)</td>
<td>AMD RA425, 2.5GHz Quad Core (SBB-D)</td>
</tr>
<tr>
<td>GPU</td>
<td>Radeón HD6480G</td>
<td>Intel Core 3.7GHz Dual Core (SBB-D)</td>
<td>Intel Core 3.7GHz Dual Core (SBB-D)</td>
</tr>
<tr>
<td>ROM/HDD/SSD</td>
<td>SSD 16/32GB</td>
<td>SSD 64/128GB</td>
<td>SSD 64/128GB</td>
</tr>
<tr>
<td>Memory</td>
<td>2GB/4GB (DDR3 SO-DIMM)</td>
<td>4GB (DDR3 SO-DIMM 2GB x 2)</td>
<td>4GB (DDR3 SO-DIMM 2GB x 2)</td>
</tr>
<tr>
<td>Ethernet</td>
<td>6 Ethernet (RU-45)</td>
<td>6 Ethernet (RU-45)</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>USB 2.0 Port x 2, USB 3.0 Port x 2</td>
<td>USB 2.0 Port x 2, USB 3.0 Port x 2</td>
<td></td>
</tr>
<tr>
<td>Output</td>
<td>1st: MagicInfo Out (DP Port, Up-to UHD) 2nd: DisplayPort</td>
<td>1st: MagicInfo Out (DP Port, Up-to UHD) 2nd: DisplayPort</td>
<td>80 pin OPS port DisplayPort</td>
</tr>
<tr>
<td>Others</td>
<td>RJ-45, RS232C (S-USB 9P)</td>
<td>RJ-45, RS232C (S-USB 9P)</td>
<td>RJ-45, Mic in, Audio out</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows Embedded Standard 2009 or 7</td>
<td>Windows Embedded Standard 7 or Professional</td>
<td>Windows Embedded Standard 7 or Professional</td>
</tr>
<tr>
<td>Power</td>
<td>Internal</td>
<td>AC 100 - 240 V~ (+/- 10 %), 50/60 Hz</td>
<td>80 pin OPS port</td>
</tr>
<tr>
<td>Type</td>
<td>Internal</td>
<td>80 pin OPS port</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>AC 100 - 240 V~ (+/- 10 %), 50/60 Hz</td>
<td>80 pin OPS port</td>
<td></td>
</tr>
<tr>
<td>Mech. Spec</td>
<td>321.6mm x 224.7mm x 40.3mm</td>
<td>200mm x 175.6mm x 34.4mm</td>
<td></td>
</tr>
<tr>
<td>Set Weight</td>
<td>1.8 kg</td>
<td>1.2 kg</td>
<td></td>
</tr>
</tbody>
</table>

For Interactive Whiteboard Customers:

Samsung’s DME-BR/MB and QMD-BR provide an All-in-One solution for your Interactive Whiteboard necessities by simplifying the 3 steps above. This ready-to-use interactive Interactive Whiteboard package provides an integrated solution for your business or educational space that allows you to unleash the potential of your presentations and increase productivity.

2K Electric magnetic pen (DME-BR only)
1X Dummy pen (DME-BR only)
INCREASE ORGANIZATIONAL PRODUCTIVITY AND COMMUNICATIONS

Samsung interactive displays enable organizations to increase meeting productivity, foster collaboration and improve communications.

Increase Meeting Productivity

Provide employees the modern tools they need to make meetings more efficient. Unlike data projectors that are often blurry and require dimming the lights, Samsung interactive displays render sharp, bright images under almost any lighting condition. The interactive displays also place necessary information resources at the team’s fingertips, so decisions can be made quickly and with all the facts.

- Edit Microsoft Office documents (Word, Excel, PowerPoint) if you already have Microsoft Office
- Email meeting notes and drawings to participants (and those who missed the meeting)
- Access audio/video/data files from the network, web, cloud storage, or USB drive
- Share content with other interactive displays
- Foster collaboration and teamwork

Organizations can use the special features of MagicIWB for collaborative exercises. For example, MagicIWB can render a single session onto multiple interactive displays so that breakout groups can each work on their own display.

In large presentation rooms with theater-style seating, MagicIWB can be used to expand a single session across multiple displays for easy viewing from almost any angle and distance.

Improve Communications in Board Rooms, Briefing Centers and Campuses

Samsung interactive displays are perfect for high-profile areas like board rooms and customer briefing centers. The displays are sleek and have a thin profile to complement any décor. Unlike data projectors, the interactive displays enable participants to engage in face-to-face conversations while a presentation is made.

In large corporate buildings and campuses, Samsung interactive displays can also be deployed for guest way-finding and employee communications. Display interactive building and campus maps for visitors. Communicate company news and awards with videos. Or showcase upcoming events and charity projects with e-signups.
ENGAGE, CONNECT AND TRANSACT WITH RETAIL SHOPPERS

Samsung interactive displays can be used in a variety of retail areas to engage shoppers, improve the shopping experience and transact sales.

Engage Shoppers
Samsung interactive displays can engage shoppers with interactive content and stunning visuals. For example, automotive dealers can install Samsung interactive displays on the showroom floor and service waiting areas to raise product awareness and purchase consideration. Customers can engage by virtually choosing car models and colors, configuring trims and options, and obtaining pricing information – all without feeling pressured.
Toy retailers can engage young shoppers by creating a fun, engaging atmosphere with interactive games and activities that reinforce their brand.

Ideal for:
- Automotive Dealers
- Department Stores
- Toy Stores
- Luxury Goods Retailers

Improve the Shopping Experience
Shoppers often find it hard to navigate and find merchandise at retailers with large SKU counts like home improvement centers and department stores. Samsung interactive displays can be positioned at entrances and key areas to function as virtual shopping assistants. The displays provide detailed product and location information, inventory level and promotions. Malls and shopping centers can also deploy the interactive displays for way-finding and mall services.

Ideal for:
- Shopping Malls
- Home Improvement Centers
- Electronics Retailers
- Department Stores

Transact Sales
Online retail has raised shopper expectations for in-store selection, inventory status and product details. Samsung interactive displays can combine the convenience of online shopping with the power of real-time purchase gratification. Retailers can display both in-store and online-only SKUs on the interactive displays with detailed product information, images, videos and purchase options.
Clothing retailers can use Samsung interactive displays so shoppers can easily see alternate styles, sizes and color options that may be in the store or available at the retailer’s online store. Accessories and cross-sell items can also be displayed. By offering on-the-spot ideas and options, retailers can avoid showroaming and close the sale while the shopper is most engaged.

Ideal for:
- Clothing Retailers
- Book and Gift Retailers
- Department Stores
- Appliance Retailers
ACCELERATE
STUDENT LEARNING

Today’s students are digital natives who grew up with tablets and smartphones. Bring the same level of engagement and interactivity to the learning environment with Samsung interactive displays.

Make Learning Interactive in K-12 Classrooms

Samsung interactive displays empower teachers to accelerate student learning. The displays bring lesson plans to life by leveraging e-books, CDs, video animations, images, MS Office applications and the Internet.

The interactive displays and MagicIWB software can be used in conjunction with the Samsung School solution, which integrates with Samsung GALAXY Note tablets and Samsung wireless printers. Samsung School enables teachers to easily deliver content to students, share their own or a student’s screen with the class, and monitor student progress in real time. Instructors can also conduct group activities, Q&As, tests or instant polls.

Samsung interactive displays allow instructors to tie together multiple digital resources with the swipe of a touchscreen. The interactive displays can also capture and email lecture notes to the students, so the students can focus on the discussion.

With the increased focus on teamwork and collaboration, Samsung interactive displays are also ideal for student meeting rooms in libraries, dorms and academic buildings. Students can use the interactive displays to collaborate on research projects, take notes, draw diagrams and share information.
**IMPROVE GOVERNMENT SERVICES**

Samsung interactive displays can be deployed by government agencies and departments to improve citizen services and increase coordination.

**Increase Coordination at Control Centers**

Control centers integrate information from multiple sources and require staff to plan and coordinate activities. Samsung interactive displays can help assemble disparate data feeds and quickly display the information on a single screen for further analysis. The interactive display's whiteboard functionality can be used by analysts to plan, coordinate and document activities. The displays also support environmental responsibility by reducing electricity use (compared to traditional CCFL displays) and reducing paper waste.

**Provide Instructions and Wait Times at Citizen Service Centers**

Large citizen service centers are often overcrowded and have long wait times. Visitors may also not be familiar with required forms and procedures. Samsung interactive displays can help improve efficiency and speed by providing text and video instructions to visitors to ensure smooth processing. The displays can also be used to post wait times so that visitors are continually updated on their status.
About Samsung

Samsung Electronics Co., Ltd. is a global leader in technology, opening new possibilities for people everywhere. Through relentless innovation and discovery, we are transforming the worlds of TVs, smartphones, tablets, PCs, cameras, home appliances, printers, LTE systems, medical devices, semiconductors and LED solutions. We employ 286,000 people across 80 countries with annual sales of US$216.7 billion. To discover more, please visit www.samsung.com.

For more information

For more information about Samsung DHD Series Premium Signage Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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