Specifications
SMART Board™ Interactive Whiteboard
Model 685

Physical Specifications

Size
77 1/2" W × 49 1/2" H × 5 1/8" D
(196.9 cm × 125.7 cm × 13 cm)

Active Screen Area
(maximum interactive, projected image)
74" W × 46 1/8" H (188 cm × 117.2 cm)
87 1/8" (221.3 cm) diagonal,
16:10 aspect ratio

Weight
42 lb. (19.1 kg)

Shipping Size
1 unit
54" W × 86 1/4" H × 5 1/2" D
(137.2 cm × 219.1 cm × 14 cm)
8 units on pallet
55" W × 90 3/4" H × 45" D
(139.7 cm × 230.5 cm × 114.3 cm)

Shipping Weight
1 unit
63 lb. (28.6 kg)
8 units on pallet
524 lb. (237.7 kg)

All dimensions +/- 1/8” (0.3 cm). All weights +/- 2 lb. (0.9 kg)
Standard Features

**Software**
SMART Notebook software included. See the SMART Notebook software specifications for a complete list of system requirements. Software upgrades are available at www2.smarttech.com/st/en-US/Support/SBS/.

**Pen Tray**
Optical sensors in the pen tray detect when a pen or eraser is lifted from the tray. LEDs show the active tool.

**Pens and Eraser**
Black, blue, red and green pen tray pens and a rectangular eraser

**Resolution**
Touch resolution is approximately 4000 × 4000.

**Screen Surface**
The hard-coated polyester surface is tear proof, optimized for projection, compatible with dry-erase markers and easily cleaned with whiteboard cleaner.

**Digitizing Technology**
Resistive

**Frame Finish**
Dark gray (approximates Pantone® Charcoal Gray 18-0601 TPX Home and Fashion guide) and light gray (approximates Cool Gray 6 Formula guide solid matte)

**Wall-Mount Bracket**
2 × 32” (81.3 cm) wide, spaced 2” (5.1 cm) apart, with ten screws and drywall anchors to support the wall-mounted interactive whiteboard

**Computer Connection**
16’ (5 m) USB 2.0 cable

**Power Requirements**
Power is obtained from the computer directly through the USB cable for Windows®, Mac and Linux® computers. Power consumption is less than 1.5 W (300mA at 5V).

**Certifications and Compliance**
CSA (U.S./Canada), CE, CB (TUV), China EIP, EU RoHS, WEEE, VCCI

**Warranty**
Five-year limited equipment warranty upon registration. See warranty document for details.

**NOTE**
A digital projector is not included with this model of SMART Board interactive whiteboard. To take advantage of all interactive features, you must integrate a 16:10 aspect ratio digital projector.

### Storage and Operating Specifications

**Storage**
-40°F to 120°F (-40°C to 50°C)

**Operation**
41°F to 95°F (5°C to 35°C) with up to 80% humidity non-condensing

**SMART Order Number**
SB685 87 1/8” (221.3 cm) diagonal SMART Board interactive whiteboard
### Optional Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>NA</th>
<th>UK</th>
<th>EU</th>
<th>AU</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS232-XX</td>
<td>RS-232 to USB conversion module that allows a serial connection to the interactive whiteboard as an alternative to USB</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WC6-XX</td>
<td>Wireless Bluetooth® connection between the SMART Board interactive whiteboard and the computer</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>SBA-XX</td>
<td>USB audio system with two 15 W speakers that mount to the interactive whiteboard or wall</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<tr>
<td>SYSON6-XX</td>
<td>SystemOn expansion module wakes up the computer and turns on the projector with one button press</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>USB-GW</td>
<td>GoWire™ SMART Board software auto-launch USB cable</td>
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<tr>
<td>USB-XT</td>
<td>16' (5 m) USB active extension cable</td>
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<tr>
<td>CAT5-XT</td>
<td>USB to Cat 5 cable extender set</td>
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<tr>
<td>RPEN-ER</td>
<td>Replacement set of four pen tray pens (black, red, blue and green) and rectangular eraser</td>
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</tbody>
</table>

**NOTE**

Part numbers ending in XX have power supplies for those countries or regions, as indicated by ✓ in the columns to the right. When ordering, substitute the XX in the part number with the country code as follows:

- NA = U.S. and Canada
- UK = United Kingdom
- EU = European Union
- AU = Australia
Physical Dimensions

Leave at least 5/8" (1.6 cm) headroom to wall mount the interactive whiteboard.

The distance from the bottom of the wall-mount bracket to the top of an installed interactive whiteboard is 4 1/4" (10.8 cm).

Wall-Mounted Cut Away View

Wall-Mounted Side View

Wall-Mounted Front View

The recommended wall-mounted installation height to the top of the interactive whiteboard for average sized adults is 61 3/4" (207.6 cm).

USB Connection Location

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