SMART Board™ Interactive Whiteboard System
Specifications – Model 680i

Physical Specifications

Unifi™ 35 Projector

Size
25 7/8" W × 14 3/8" H × 48" D (Max.)
(65.7 cm × 36.5 cm × 121.9 cm)

Extended Connection
7 5/8" W × 1 1/4" H × 1 3/8" D
Panel
(19.4 cm × 3.2 cm × 3.5 cm)

Weight
33 lb. (15 kg)
Shipping Weight
52 lb. (23.6 kg)
Shipping Size
30" W × 19" H × 45" D
(76.2 cm × 48.3 cm × 114.3 cm)

SMART Board™ 680 Interactive Whiteboard

Size
65 1/4" W × 49 1/2" H × 5 1/8" D
(165.7 cm × 125.7 cm × 13 cm)

Active Screen Area
61 5/8" W × 46 1/8" H (156.5 cm × 117.2 cm)
77" diagonal (195.6 cm)

Weight
30 lb. (13.6 kg)
Shipping Weight
45 lb. (20.5 kg)
Shipping Size
54" H × 73 1/2" W × 5 1/2" D
(137.2 cm × 186.7 cm × 14 cm)

All dimensions +/- 1/8" (3.2 mm). 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/.

Certifications and Compliance
UL (U.S./Canada), CE, FCC, PSE, VCCI, NOM, RoHS (China), RoHS (Europe), WEEE

Warranty
Two-year limited equipment warranty on the projector, control module and extended connection panel. The projector lamp has a 500 hour/90 day warranty. The interactive whiteboard has a five-year limited equipment warranty upon registration. See warranty documents for details.

Mounting Template
This template ensures a simple installation and accurate alignment between the Unifi 35 projector and your SMART Board 680 interactive whiteboard. Use this document in place of the installation instructions provided with your interactive whiteboard.

Cables
6' (1.8 m) HD-DB15 male-to-male video, 9' 10" (3 m) DVI-I to HD-DB15 male video, 6' (1.8 m) 3.5 mm stereo audio, and 6' (1.8 m) and 16' (5.0 m) USB cables provided
## Specifications – Model 680i

### Interactive Whiteboard Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pen Tray</td>
<td>Optical sensors in the pen tray detect when you lift a pen or the eraser from the tray. LEDs show the active tool.</td>
</tr>
<tr>
<td>Pens and Eraser</td>
<td>Black, blue, red and green pens, and a rectangular eraser</td>
</tr>
<tr>
<td>Resolution</td>
<td>Touch resolution is approximately 4000 × 4000.</td>
</tr>
<tr>
<td>Screen Surface</td>
<td>The hard-coated polyester surface is tear proof, optimized for projection, compatible with dry-erase markers and easily cleaned with whiteboard cleaner.</td>
</tr>
<tr>
<td>Digitizing Technology</td>
<td>Resistive</td>
</tr>
<tr>
<td>Frame Finish</td>
<td>Two-tone gray (approximates Pantone® Charcoal Gray 18-0601 TPX) and Ultrasonic Chrome (approximates metallic Pantone 877 C)</td>
</tr>
<tr>
<td>Wall-Mount Bracket</td>
<td>32” (81.3 cm) wide with five screws and drywall anchors to support a wall-mounted interactive whiteboard.</td>
</tr>
<tr>
<td>Installation Instructions</td>
<td>Do not use when installing the 680i system. The installation instructions are for interactive whiteboard installations that don’t include the Unifi projector.</td>
</tr>
</tbody>
</table>

### Unifi 35 Projector Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Screen Interface</td>
<td>Includes interactive tools for controlling the projector, making notes over projected images and saving ScratchPad pages to a USB storage device</td>
</tr>
<tr>
<td>Projector Head</td>
<td>Includes a focus ring and a side-mounted access door for changing the lamp</td>
</tr>
<tr>
<td>Display Type</td>
<td>True XGA (1024 × 768) projector</td>
</tr>
<tr>
<td>Display Technology</td>
<td>Projection engine does not require cleaning or filter replacement. The projection engine uses DLP® technology by Texas Instruments® and features Vikuiti™ Super Close Projection technology from 3M.</td>
</tr>
<tr>
<td>Brightness</td>
<td>1500 ANSI lumens, typical</td>
</tr>
<tr>
<td>Lamp Life</td>
<td>2000 hours (Standard mode), 3000 hours (Economy mode)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>4:3 native, with support for 16:9</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1000:1 (FO/FO) (minimum)</td>
</tr>
<tr>
<td>Video Compatibility</td>
<td>NTSC, PAL, SECAM, Composite, S-video, Component (YPbPr/YCbCR), SDTV (480i, 576i), EDTV (480P, 576P), HDTV (720P, 1080i), VGA, SVGA, SGA, SXGA, MAC (UXGA)</td>
</tr>
<tr>
<td>Synchronization</td>
<td>Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)</td>
</tr>
<tr>
<td>Scanning Rate</td>
<td>H-sync 15 kHz to 82 kHz, V-sync 50 Hz to 85 Hz</td>
</tr>
<tr>
<td>Color</td>
<td>True color (16.7 million 24-bit colors)</td>
</tr>
<tr>
<td>Audio System</td>
<td>Integrated stereo amplifier and speakers (20 watts per channel)</td>
</tr>
<tr>
<td>Mounting Hardware</td>
<td>Hardware supplied for mounting the Unifi projector and the extended connection panel to framed and concrete walls</td>
</tr>
</tbody>
</table>
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Input/Output Connections

- DVI-I jack - analog or digital projector video input
- HD-DB15 jack - RGB video from computer, linked to extended connection panel
- Two 3.5 mm stereo jacks - audio inputs, one linked to extended connection panel
- 3.5 mm stereo jack - audio output
- Mini DIN 4-pin connector - S-video input, linked to extended connection panel
- RCA jack - composite video input, linked to extended connection panel
- Two RCA jacks - stereo audio input, linked to extended connection panel
- Three RCA jacks - component video input
- Two USB A receptacles - one for USB storage device, linked to extended connection panel
- USB B receptacle - computer data connection, linked to extended connection panel
- DB9F - serial (RS-232) computer or external control system connection
- Power reset connector - linked to extended connection panel Reset button
- AC power receptacle - accepts standard IEC power cable or adapter

Projector Noise

- 34 dBA (Standard mode) / 32 dBA (Economy mode)

Power Requirements

- 100V to 240V AC 50/60 Hz, 450 W

Power Switch

- Master power control switch

Power Cable

- Three 14' 9" (4.5 m) power cables provided (U.S., UK and Europe)

External Control

- RS-232 input configured to accept control codes from computer or room control system

Power Consumption

- 450 W maximum

Remote Control

- Provides an alternate method of controlling the 680i system’s major features

Extended Connection Panel Features

- HD-DB15 jack - RGB computer video input
- 3.5 mm stereo jack - computer audio input
- USB A receptacle - connection for USB storage device
- RCA jack - composite video input
- Two RCA jacks - stereo audio inputs
- Mini DIN 4-pin connector - S-video input
- USB B receptacle - computer data input

Power Button

- Turns the Unifi projector and interactive whiteboard on or off

Control Module Features

- Large power button, with illuminated status ring, turns the system on or off
- Menu Button - Shows and hides the Unifi projector’s on-screen interface.
- Volume Control - Adjusts the integrated audio system’s volume.

Storage and Operating Specifications

- Storage - -22°F to 122°F (-30°C to 50°C) with 90% humidity, non-condensing
- Operation - From 0' to 2500' (0 m to 762 m) 50°F to 95°F (10°C to 35°C) with 20 to 80% humidity, non-condensing
- From 2500' to 5000' (762 m to 1524 m) 50°F to 86°F (10°C to 30°C) with 20 to 80% humidity, non-condensing
- From 5000' to 10000' (1524 m to 3048 m) 50°F to 77°F (10°C to 25°C) with 20 to 80% humidity, non-condensing
SMART Order Number

| 680i   | SMART Board 680i interactive whiteboard system includes a SMART Board 680 interactive whiteboard integrated with a Unifi 35 projector |

Optional Accessories

| USB-XT  | 16’ (5 m) USB active extension cable |
| CAT5-XT | USB to Cat 5 cable extender set, includes two 6’ (1.8 m) USB cables |
| RPEN-ER | Replacement set of four pen tray pens (black, red, blue and green), and a rectangular eraser |
| RPEN    | Replacement set of four pen tray pens (black, red, blue and green) |
| USB-GW  | GoWire™ SMART Board software auto-launch USB cable |
Specifications – Model 680i

Physical Dimensions

Front View

Right Side View

Mounting Bracket

Framed Wall Stud Centerline

Interactive Whiteboard Centerline

1 1/4" (3.2 cm)

1 3/8" (3.5 cm)

7 5/8" (19.4 cm)

Extended Connection Panel

Connector Side

Top Side

Control Module

Front

Top

Control Module

Connector Side

Top Side

Suggested Height from Floor 83" (210.8 cm)

Suggested Height 77" (195.6 cm)

Suggested Location of Extended Connection Panel

Control Module Location

Front View

48" (121.9 cm)

50 1/2" (128.3 cm)

5 1/8" (13.0 cm)

48" (121.9 cm)

5 1/8" (13.0 cm)

49 1/2" (125.7 cm)

65 1/2" (166.4 cm)

67 1/8" (170.1 cm)

46 1/8" (117.2 cm)

61 5/8" (156.5 cm)

38 1/4" (97.2 cm)

61 5/8" (156.5 cm)

25 7/8" (65.7 cm)

65 1/4" (165.7 cm)

2" (5.1 cm)

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