

Specifications

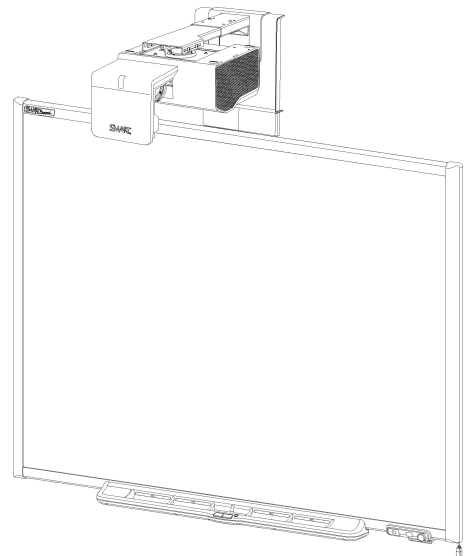
SMART Board™ interactive whiteboard system

Model 680i5

Physical specifications

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 (maximum interactive projected image)	61 5/8" W × 46 1/8" H (156.5 cm × 117.2 cm) 77" (195.6 cm) diagonal
Weight	30 lb. (13.6 kg)
Shipping size	73 1/2" W × 54" H × 5 1/2" D (186.7 cm × 137.2 cm × 14 cm)
Shipping weight	45 lb. (20.5 kg)



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

SMART UF75 projector

Projector	14" W × 15 1/2" H × 28" D (35.6 cm × 39.4 cm × 71.1 cm)
Remote control	1 5/8" W × 3 3/8" H × 1/4" D (4 cm × 8.6 cm × 0.7 cm)
Weight	17 lb. (7.7 kg)
Shipping size	20" W × 15 1/2" H × 24" D (50.8 cm × 39.4 cm × 61 cm)
Shipping weight	32 lb. (14.5 kg)

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Extended control panel (ECP)

Size	6" W × 2 5/8" H × 2 1/4" D (15.2 cm × 6.6 cm × 5.8 cm)
Weight	13 lb. 8 oz. (6.1 kg)
Shipping size	9 3/8" W × 5" H × 10 3/8" D (23.8 cm × 12.8 cm × 26.4 cm)
Shipping weight	2 lb. 12 oz. (1.3 kg)

Standard features

System requirements	Windows® operating systems or Mac operating system software as detailed in the SMART Notebook™ collaborative learning software release notes (smarttech.com/kb/126571).
Software	Two software CDs are included with your interactive whiteboard: SMART Product Drivers and SMART Notebook software. Software upgrades are available from smarttech.com/software .
Environmental compliance	China EIP, EU WEEE, US CPSIA, Covered Electronics Devices, Packaging, Batteries and EU RoHS
Regulatory certification	UL (U.S./Canada), GOST-R, CE, FCC, C-Tick, KC, NOM, PSB, CCC, PSE and VCCI
Warranty	The projector and ECP have a three-year limited equipment warranty. The SMART UF75 projector lamp has a 500 hour/90 day warranty. Your interactive whiteboard has a two-year limited equipment warranty or a five-year limited equipment warranty upon registration. See warranty documents for details.
Power consumption	301 W in Standard mode and less than 1 W in Standby mode, in accordance with EuP regulations
Cables	Includes the necessary cables to connect the projector to the ECP. However, you must supply the appropriate input cables for your devices.

Interactive whiteboard features

Pen tray	Optical sensors in the pen tray detect when you lift a pen or the eraser from the tray. Indicator lights indicate the active tool.
Pens and eraser	Black, red, green and blue pens and a rectangular eraser
Resolution	Touch resolution is approximately 4000 × 4000.

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Screen surface	The hard-coated surface is tear proof, optimized for projection, compatible with dry-erase markers and easily cleaned with whiteboard cleaner.
Digitizing technology	Resistive technology
Projector mounting template	Ensures simple installation and accurate alignment between your projector and your interactive whiteboard
Frame finish	Two-tone gray (Dark gray approximates PANTONE® Charcoal Gray 18-0601 TPX. Light gray approximates PANTONE Cool Gray 6C.)
Wall-mount bracket	Includes a 32" (81.3 cm) wide bracket, five screws and five drywall anchors to support your wall-mounted interactive whiteboard
Installation instructions	<p>The installation instructions included in your SMART Board 680i5 interactive whiteboard system are included in the projector boom box. Additional documentation is available from smarttech.com/support.</p> <p>The installation instructions for your SMART Board 680i5 interactive whiteboard system are included in the box with the ECP. Don't use the installation instructions included in the interactive whiteboard box when installing your SMART Board 680i5 interactive whiteboard system. Additional documentation is available from smarttech.com/support.</p>
Theft prevention	The pen tray has a locking feature and a Kensington® security slot.
SMART UF75 projector features	
System components	SMART UF75 projector, wall mount, ECP, remote control and all input cables necessary to connect the ECP to the projector
Image adjustment	The wall mount includes mechanical adjustments for aligning the projector image with the interactive whiteboard. The projector also has a focus lever and a digital on-screen menu for adjusting brightness, contrast and other image-related attributes.
Display type	XGA 1024 × 768
Display technology	The projection engine uses DLP® technology by Texas Instruments™, providing BrilliantColor™ performance and quality Gamma 2.2 correction with Bright Room, Dark Room, sRGB, User and SMART Presentation modes.
3D technology	3D-ready projector using DLP Link™ technology
Brightness	Estimated at 2500 lumens (typical) at a CCT of 6500 K by the IEC method

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Lamp life	2500 hours in Standard 230 W mode. 4000 hours in Economy 190 W mode																										
Aspect ratio	4:3 with support for 16:9 and 16:10 ratios. Support for 5:4 ratio with scaling																										
Contrast ratio	2900:1																										
Video system compatibility	NTSC, NTSC 4:43, PAL, PAL-N, PAL-M and SECAM																										
Video interface compatibility	HDMI™, Composite, S-video, VESA® RGB with additional interface support for Component YPbPr and Component YCbCr inputs with the proper adapters (not included)																										
Video format compatibility	The projector has a native 4:3 aspect ratio XGA resolution and supports VGA, SVGA, SXGA, Quad VGA, SXGA+ and UXGA formats with scaling.																										
Synchronization	Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)																										
Mounting hardware	Includes hardware for mounting the projector to framed and solid walls. Also includes a safety tether.																										
Input/output connections	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Connector</th> <th style="text-align: left;">Connects to</th> </tr> </thead> <tbody> <tr> <td>Power</td> <td>Power supply</td> </tr> <tr> <td>4-pin power mini-DIN 5V/2A output</td> <td>ECP harness cable</td> </tr> <tr> <td>7-pin mini-DIN</td> <td>ECP harness cable</td> </tr> <tr> <td>DB9 RS-232</td> <td>Room control system</td> </tr> <tr> <td>DB15F RGB video input (VGA 1)</td> <td>Primary computer (not included)</td> </tr> <tr> <td>DB15F RGB video input (VGA 2)</td> <td>Secondary computer (not included)</td> </tr> <tr> <td>3.5 mm phone jack audio input (×2)</td> <td>Primary and secondary computer audio inputs</td> </tr> <tr> <td>DB15F RGB video output (VGA Out)</td> <td>Secondary display (not included)</td> </tr> <tr> <td>3.5 mm phone jack audio output</td> <td>External audio system (not included)</td> </tr> <tr> <td>RCA composite video input (and left and right RCA audio input)</td> <td>Video source (not included) through ECP harness cable</td> </tr> <tr> <td>4-pin mini-DIN S-video input (and left and right RCA audio input)</td> <td>Video source (not included)</td> </tr> <tr> <td>RJ45</td> <td>Network (for web page management and SNMP access)</td> </tr> </tbody> </table>	Connector	Connects to	Power	Power supply	4-pin power mini-DIN 5V/2A output	ECP harness cable	7-pin mini-DIN	ECP harness cable	DB9 RS-232	Room control system	DB15F RGB video input (VGA 1)	Primary computer (not included)	DB15F RGB video input (VGA 2)	Secondary computer (not included)	3.5 mm phone jack audio input (×2)	Primary and secondary computer audio inputs	DB15F RGB video output (VGA Out)	Secondary display (not included)	3.5 mm phone jack audio output	External audio system (not included)	RCA composite video input (and left and right RCA audio input)	Video source (not included) through ECP harness cable	4-pin mini-DIN S-video input (and left and right RCA audio input)	Video source (not included)	RJ45	Network (for web page management and SNMP access)
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RJ45	Network (for web page management and SNMP access)																										
Projector fan operating temperatures	<ul style="list-style-type: none"> • Standard speed: 41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m) • High speed: 41°F to 86°F (5°C to 30°C) from 6000' to 6800' (1800 m to 2100 m) 																										

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Projector noise	36 dBA at high speed and 31 dBA at standard speed, measured using the JIS method
Power requirements	100V–240V AC at 50 Hz–60 Hz
Power cable	Includes a 14' 9" (4.5 m) power cable
External control	The RS-232 control module connector is configured to accept control codes from your computer or a room control system.
Remote control	Provides an alternative method of adjusting the SMART UF75 projector settings
Theft protection	The projector system features an optional padlocked ring to prevent theft. The Kensington® security slot can affix the system to a wall as a visual and physical theft deterrent.

ECP features

Input/output connections

Connector	Connects to
RJ11 6-wire	SMART Hub™ SE collaboration platform
USB A (×3)	USB drives or peripheral devices (not included)
RCA (×3)	Composite video and associated audio inputs
DB15-M	ECP harness cable
USB B	Primary computer
USB B	Secondary computer
USB A	SMART Board 680 interactive whiteboard

Volume control	Controls sound range
Power button	Turns the interactive whiteboard and projector on and off
Input selection button	Select the projector video and audio inputs from the available sources: <ul style="list-style-type: none">• VGA 1 (primary computer)• VGA 2 (secondary computer)• Composite• S-video• HDMI

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Storage and operating specifications

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|------------------|--|
| Storage | <ul style="list-style-type: none">• Maximum storage temperature: 158°F (70°C) with up to 80% humidity, non-condensing• Minimum storage temperature: -4°F (-20°C) with up to 80% humidity, non-condensing |
| Operation | <ul style="list-style-type: none">• At standard fan speed, 41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m)• At high fan speed, 41°F to 86°F (5°C to 30°C) from 6000' to 6800' (1800 m to 2100 m)• In Service mode, 41°F to 86°F (5°C to 30°C) from 6800' to 9800' (2100 m to 3000 m) |

SMART order numbers

- | | |
|--------------------|---|
| SB680i5 | SMART Board 680 interactive whiteboard with a SMART UF75 projector |
| 20-01501-20 | Lamp module replacement kit for SMART UF75 and SMART UF75w projectors |

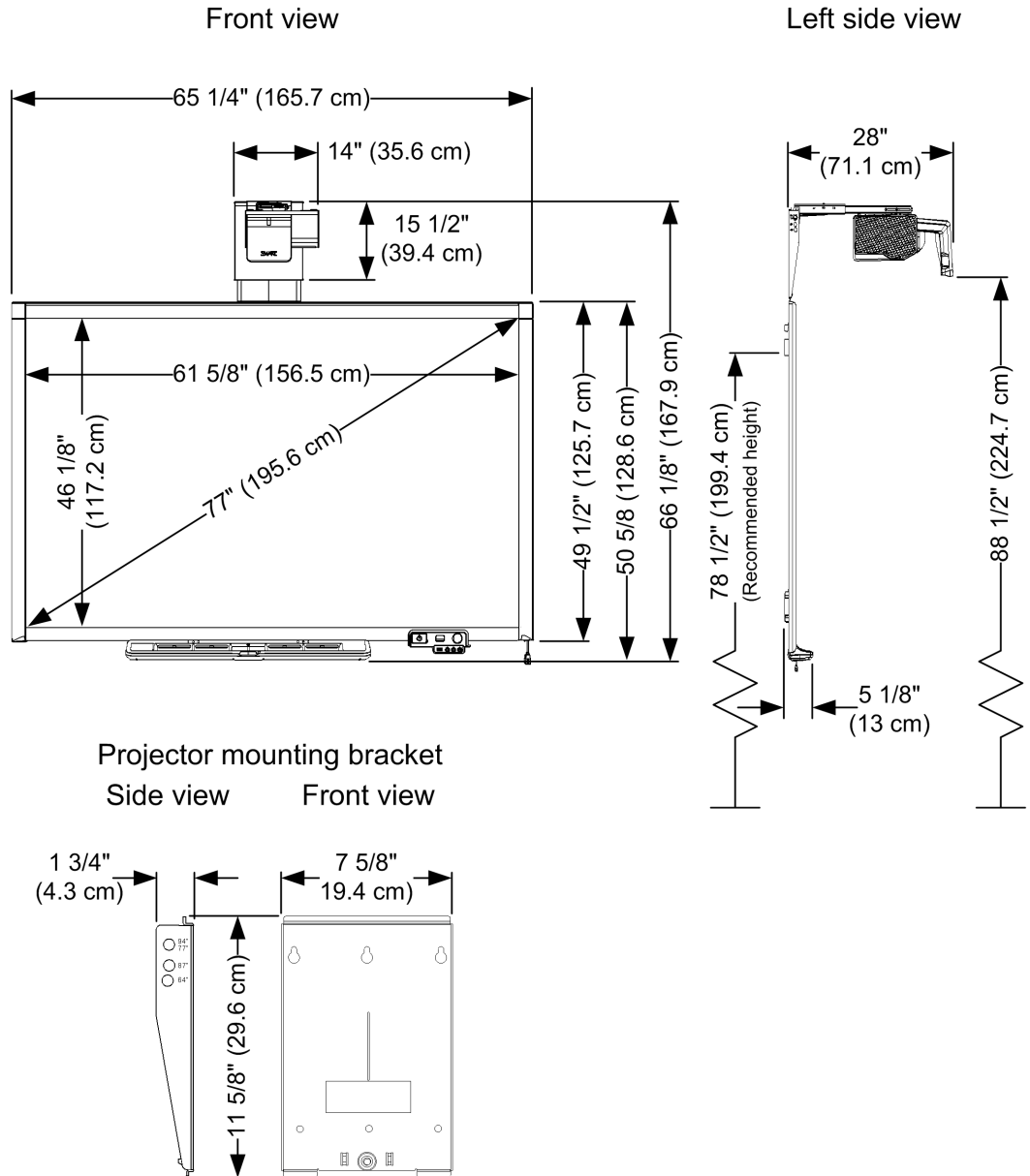
Optional accessories

- | | |
|----------------|---|
| RPEN | Replacement set of four pen tray pens (black, red, green and blue) |
| RPEN-ER | Replacement set of four pen tray pens (black, red, green and blue) and a rectangular eraser |
| SBA-L | Projection Audio System for SMART Board 680 interactive whiteboards |
| USB-XT | USB extender |

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Physical dimensions



www.smarttech.com/support | www.smarttech.com/contactsupport
 Support +1.403.228.5940 or Toll Free 1.866.518.6791 (U.S./Canada)

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