

Specifications

SMART Board™ 685ix interactive whiteboard system Model 685ix

Physical specifications

SMART Board™ 685ix interactive whiteboard

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	54" W × 86 1/4" H × 5 1/2" D (137.2 cm × 219.1 cm × 14 cm)
Shipping weight	63 lb. (28.6 kg)



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

SMART UX60 projector

Projector size	17 3/8" W × 10 1/2" H × 16 1/2" D (44.1 cm × 26.7 cm × 41.9 cm)
Remote control	1 5/8" W × 3 3/8" H × 1/4" D (4.1 cm × 8.6 cm × 0.6 cm)
Weight	22 lb. (10 kg)
Shipping weight	38 lb. 6 oz. (17.4 kg)
Shipping size	18 3/4" W × 18 1/8" H × 22 5/8" D (47.6 cm × 46 cm × 57.5 cm)

Extended control panel (ECP)

Size	6" W × 2 5/8" H × 2 1/4" D (15.2 cm × 6.6 cm × 5.8 cm)
Shipping size	9 3/8" W × 5" H × 10 3/8" D (23.8 cm × 1.3 cm × 26.3 cm)

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Shipping weight 3 lb.+ (1.4 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/158853).

Software A software DVD is included with your interactive whiteboard: SMART Product Drivers and SMART Notebook software. Software upgrades are available from smarttech.com/software.

Environmental compliance China EIP, WEEE and EU RoHS

Regulatory certification UL (U.S./Canada), CB, CE, FCC, C-Tick and VCCI

Warranty The projector and ECP have a three-year limited equipment warranty. The SMART UX60 projector lamp has a 1000-hour/one-year 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.

Installation instructions The installation instructions for your SMART Board 685ix interactive whiteboard system are included in the ECP box. Don't use the installation instructions included in the interactive whiteboard box when installing the SMART Board 685ix interactive whiteboard system. Additional documentation is available from smarttech.com/support.

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.

Wire management bundle Enables you to connect secondary computers to the projector

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.

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

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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.)
Theft prevention	The pen tray has a locking feature and a Kensington® security slot.

SMART UX60 projector system features

System components	Ultra-short-throw SMART UX60 projector, mounting bracket, ECP, remote control, cleaning cloth and all necessary input cables from the ECP to the projector
Image adjustment	The adjustment module includes five mechanical adjustments for aligning the projector image with your interactive whiteboard. The projector also has a focus dial and a digital on-screen menu for brightness, contrast and other image attributes.
Display type	WXGA 1280 × 800 projector
Display technology	The projection engine uses single chip DLP® technology by Texas Instruments™, providing BrilliantColor™ performance, High Contrast and Gamma 2.1 correction with Bright Room, Dark Room, sRGB, User and SMART Presentation modes, and a six-segment color wheel.
Brightness	Estimated at 2000 lumens (typical) at a CCT of 6500 K by the IEC method
Lamp life	2500 hours (Standard 230 W mode) or 4000 hours (Economy 190 W mode)
Aspect ratio	Native 16:10 aspect ratio Supports 16:9, 5:4 and 4:3 aspect ratios with source image scaling
Contrast ratio	2000:1
Video system compatibility	HDTV (720p and 1080i) video system compatibility and HD Ready (HDMI™ technology and 720p) available, NTSC, NTSC 4.43, PAL, PAL-N, PAL-M, SDTV (480i/p and 576i/p) and SECAM
Copy protection	HDCP compliant using the HDMI input connection
Video interface compatibility	VGA (RGB or Component), S-video, Composite video and HDMI
Synchronization	Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)
Mounting hardware	Includes safety tether and hardware for mounting the SMART UX60 projector on framed, hollow and solid walls.

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Projector mounting template

The template ensures simple installation and accurate alignment between the SMART UX60 projector and your SMART Board interactive whiteboard.

Projector connections

Connector	Connect to:
Power	Power supply
3-pin power mini-DIN 5V/1A output	[Not used]
4-pin power mini-DIN 5V/2A output	ECP harness cable
7-pin mini-DIN	ECP harness cable
DB9 RS-232F	ECP harness cable
3.5 mm phone jack audio input (×2)	Y cable
3.5 mm phone jack audio output	Speakers (not included)
RCA composite video input (and left and right RCA audio input)	Video source (not included)
4-pin mini-DIN S-video input (and left and right RCA audio input)	Video source (not included)
HDMI input	High definition video source (not included)
RJ45	Network (for web page management and SNMP access)
USB B	Computer (for service access only)

Projector fan operating temperatures

- Standard speed – 0' to 6000' (0 m to 1800 m): 41°F to 95°F (5°C to 35°C)
- High speed – 6000' to 6800' (1800 m to 2100 m): 41°F to 86°F (5°C to 30°C)

Projector noise

36 dBA (high fan speed) or 31 dBA (standard fan speed), measured using the JIS method

Power requirements

100V AC–240V AC, at 50 Hz–60 Hz

Power cable

Includes a 14' 9" (4.5 m) power cable

External control

RJ45 connector for local area network (LAN) connections (cable not supplied) and RS-232 serial for room control systems

Remote control

Provides the primary method of controlling projector settings

Theft protection

The projector system features optional security screws on the projector plate to safeguard the adjustment knobs, and two optional padlocked rings to secure the system to the mounting bracket.

A Kensington security slot is provided to secure the system to a wall as a visual and physical theft deterrent.

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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 685ix 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	

Storage and operating specifications

Storage	<ul style="list-style-type: none">• Maximum storage temperature: 104°F (40°C)• Minimum storage temperature: -4°F (-20°C)
Operation	41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m) 41°F to 86°F (5°C to 30°C) from 6000' to 9800' (1800 m to 3000 m)

SMART order numbers

685ix	SMART Board 685ix interactive whiteboard with a SMART UX60 projector
20-01175-20	Replacement SMART UX60 projector lamp

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Optional accessories

NOTE

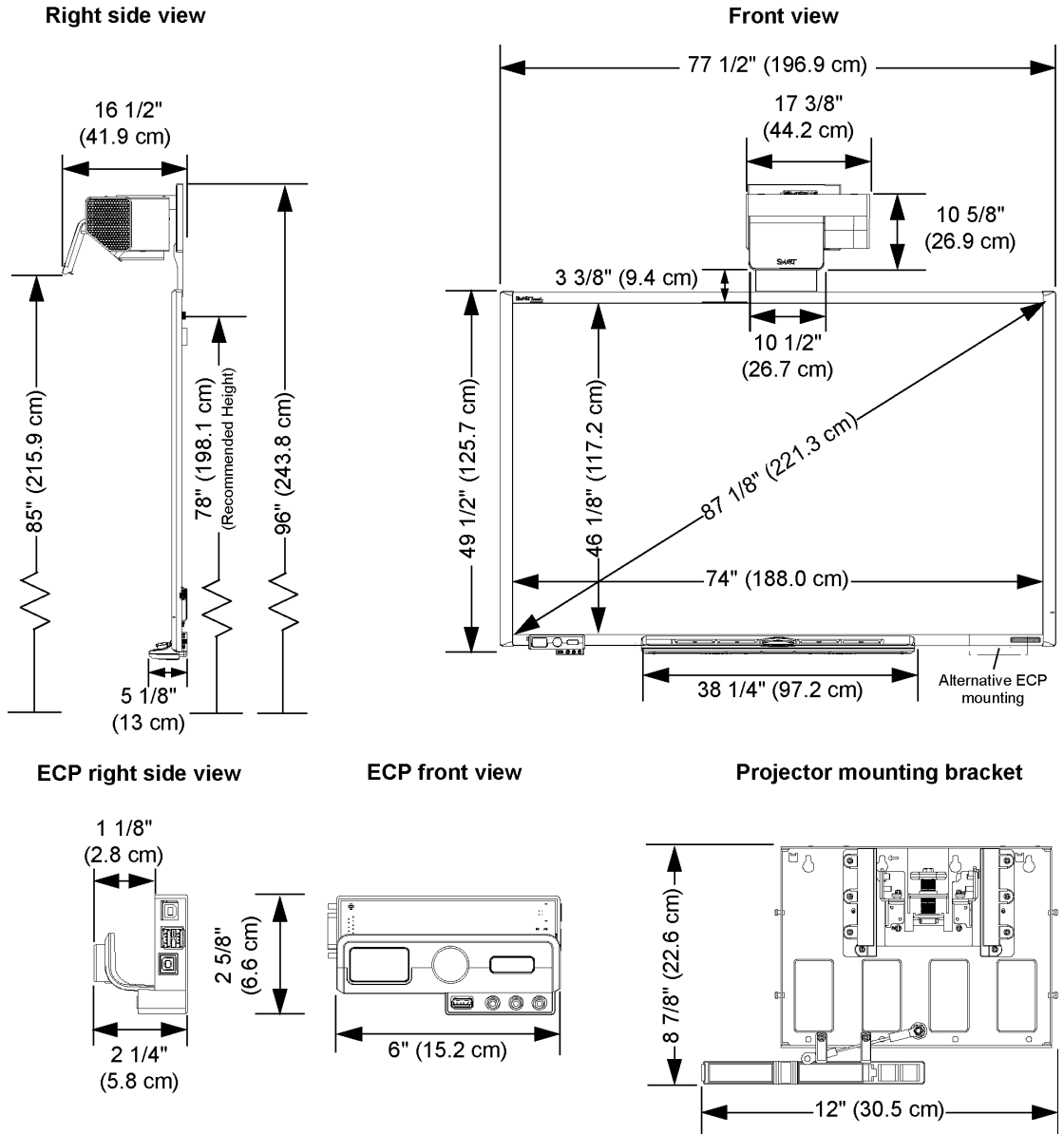
The RS-232 to USB conversion module and WC6D wireless Bluetooth® connection option aren't available for this model of SMART Board interactive whiteboard.

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|----------------|---|
| RPEN-ER | Replacement set of four pen tray pens (black, red, green and blue) and a rectangular eraser |
| RPEN | Replacement set of four pen tray pens (black, red, green and blue) |
| SBA-L | Projection Audio System for the SMART Board 685ix interactive whiteboard system |

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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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