

## Specifications

# SMART Board® interactive whiteboard system

Model SBM680i6

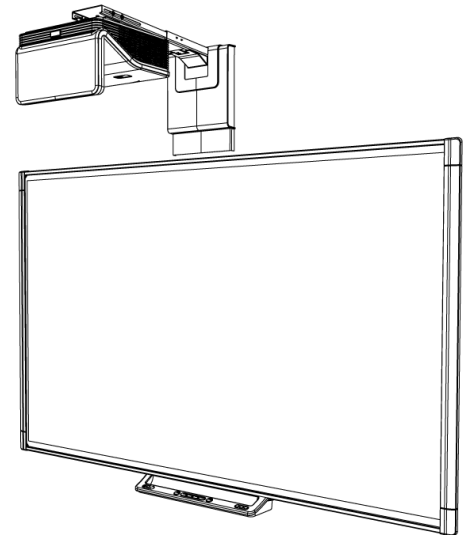
## Overview

Your SMART Board® M680i6 interactive whiteboard system combines the use of a SMART Board M680 interactive whiteboard and a SMART UF70 projector along with other accessories and optional equipment.

The SMART UF70 projector provides an ultra-bright high resolution image on a short boom delivering high definition, high performance interactivity that is virtually shadow-free and glare-free. You can do everything you can do at your computer—open and close applications, meet with others, create new documents or edit existing ones, visit websites, play and manipulate video clips and more— just by touching the interactive surface.

The SBM680i6 system supports video and audio from a variety of devices, including DVD and Blu-ray™ players, document cameras, and other high-definition sources, and is displayed on the interactive screen. All HDMI 1.4 inputs are HDCP compliant.

See [smarttech.com](http://smarttech.com) for more information on this product.

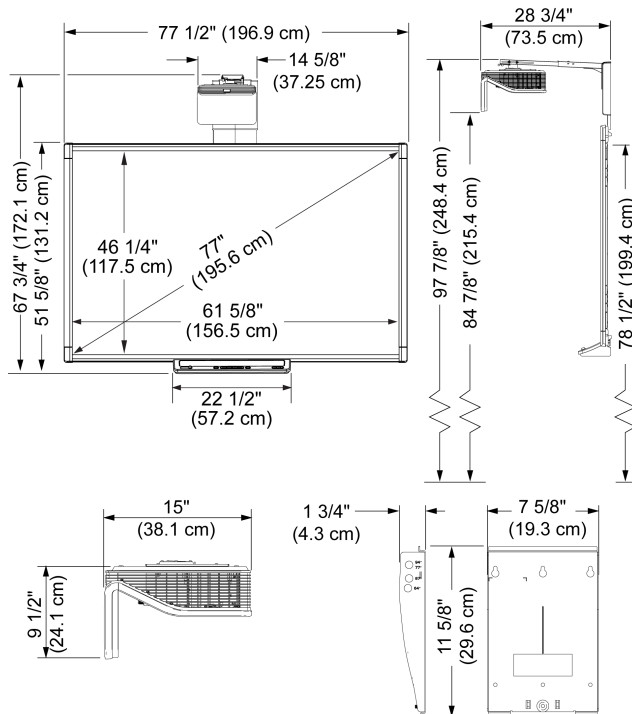


## SPECIFICATIONS

SMART Board interactive whiteboard system – Model SBM680i6

### Dimensions and weights<sup>1</sup>

#### Dimensions



#### SMART Board M680 interactive whiteboard

##### Weight

40 lb. 13 oz. (18.5 kg)

##### Shipping dimensions

71 1/4" W × 53" H × 4 1/2" D  
(181 cm × 134.6 cm × 11.4 cm)

##### Shipping weight

52 lb. (23.6 kg)

#### SMART UF70 projector

##### Weight (projector only)

16 lb. 11 oz. (7.6 kg)

##### Weight (projector and boom)

28 lb. 6 oz. (12.9 kg)

##### Shipping dimensions

20" W × 15 1/2" H × 24" D  
(50.8 cm × 39.4 cm × 61 cm)

##### Shipping weight

35 lb. 13 oz. (16.2 kg)

#### Accessory box

##### Shipping dimensions

33" W × 4" H × 7" D  
(83.8 cm × 10.2 cm × 17.8 cm)

##### Shipping weight

5 lb. 3 oz. (2.4 kg)

<sup>1</sup>All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

## Hardware

### Projector

Brightness (standard)	3000 lumens in 230 W mode at a CCT of 6500 K by the IEC method
Brightness (economy)	2250 lumens in 190 W mode at a CCT of 6500 K by the IEC method
Native resolution	XGA 1024 × 768
Aspect ratio	4:3 with support for 16:9, 16:10 and 5:4 with scaling.
Throw ratio	Short throw 0.43:1 ratio
Throw distance	27" (68.4 cm)
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.
Lamp life	3000 hours in Standard 230 W mode. 4000 hours in Economy 190 W mode.
Integrated loud speaker	9 W RMS
Projector noise	32 dBA (standard fan speed) or 37 dBA (high speed fan speed)
Contrast ratio (typical)	2900:1
Video system compatibility	HDTV (720p and 1080p) video system compatibility and HD Ready (HDMI technology and 720p) available, NTSC, NTSC 4:43, PAL, PAL-N, PAL-M and SECAM (480i/p and 576i/p).
Video interface compatibility	HDCP compliant HDMI, Composite, VESA® RGB with additional interface support for Component YPbPr and Component YCbCr inputs with the proper adapters (not included).
Horizontal frequency	15 kHz–72 kHz
Vertical frequency	15 Hz–75 Hz
Clock frequency	165 MHz
External management	Infrared remote control, RS-232 control port, internal web page, Crestron® RoomView® management via Ethernet.



Theft protection	Projector system padlock ring
Included cables and hardware	14' 9" (4.5 m) power cable Infrared remote control measuring 1 5/8" W × 3 3/8" H × 1/4" D (4.1 cm × 8.6 cm × 0.6 cm) 16' (5 m) USB cable Projector wiring harness

### Interactive whiteboard

Multitouch capabilities	Support for two simultaneous touches enables up to two users to interact with the interactive whiteboard by using the included pens or other objects, or by using their fingers to write and to perform gestures.
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Digitizing technology	Four-camera DVIT® (Digital Vision Touch) technology
Pen tray	The pen tray connects to the interactive whiteboard. Use the color select buttons to change digital ink colors. The on-screen keyboard, the right-click and the orient features are also accessible with pen tray buttons. Basic projector controls are accessible from the pen tray, including power, volume control and input select.
Pen	Includes two pens
Power requirements	6' (1.8 m) power cable. Power consumption is less than 7 W (100V to 240V AC, 50/60 Hz, 5V DC 2.0A).
Computer connection	16' (5 m) USB 2.0 cable

## Connectors

Projector connectors	3.5 mm phone jack audio input 3.5 mm phone jack audio output DB15F RGB VGA video input (VGA In) DB15F RGB VGA video input (VGA Out) DB9F RS-232 control port HDMI 1.4 input Power (100V–240V AC at 50 Hz–60 Hz) USB B port (for service use only) RJ45 Ethernet connector 7-pin mini-DIN for ECP data 4-pin mini-DIN 5V/2A output for ECP USB hub/switch power RCA analog audio and composite video (red, white and yellow) 3.5 mm microphone
ECP connectors	DB15-M connects harness cable to projector 4-pin room control system via SB8-CTRL adapter cable USB A connects to interactive whiteboard USB B (×2) connects to primary and secondary computers (desktop/laptop labels) USB A for USB drive RCA analog audio and composite video (red, white and yellow)

## Computer requirements

SBM680i6	Windows® operating system or Mac operating system software and SMART Notebook™ collaborative learning software installed. For a complete list of computer requirements, go to <a href="http://smarttech.com/downloads">smarttech.com/downloads</a> and browse to the latest SMART Notebook software release notes applicable to your operating system.
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## Storage and operating requirements

<b>Power requirements and consumption</b>	100V–240V AC at 50 Hz–60 Hz
Full mode	360 W

Economy mode	360 W
Standby mode	0.5 W
<b>Operating temperature</b>	
Interactive whiteboard	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)
Projector	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)
<b>Storage temperature</b>	-4°F (-20°C) to 122°F (50°C)
<b>Humidity</b>	Up to 80% storage relative humidity, non-condensing. Up to 80% operating relative humidity, non-condensing.

## Certification and compliance

<b>Regulatory certification</b>	CB, CCC, CE, C-Tick, FCC, KC, GOST-R, NOM, PSB, PSE, TUV-GS, UL/CSA (U.S./Canada) and VCCI.
<b>Environmental compliance</b>	
China	EIP
European Union	REACH, RoHS, WEEE, Battery and Packaging
U.S.	Packaging and Conflict Minerals

## Warranty

Interactive whiteboard	Two-year limited equipment warranty
Projector	Two-year limited equipment warranty
Projector lamp	1000-hour/one-year warranty

## Purchasing information

### Order numbers

SBM680i6	77" (195.6 cm) diagonal SMART Board M680 interactive whiteboard with a SMART UF70 projector system. Includes a SMART Notebook software installation DVD.
1020991	Replacement lamp module for SMART UF70 / UF70w projectors.
1013576	Projector mounting kit (see <a href="http://smarttech.com/kb/160505">smarttech.com/kb/160505</a> )
1020342	SMART Board interactive whiteboard hardware kit (see <a href="http://smarttech.com/kb/170475">smarttech.com/kb/170475</a> )

### Optional extended warranty

EWY1-UF70	SMART UF70 projector one-year warranty extension (available at time of projector purchase only)
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EWY3-UF70	SMART UF70 projector three-year warranty extension (available at time of projector purchase only)
EWY1-SBM	SMART Board M600 series interactive whiteboard one-year warranty extension (available at time of projector purchase only)
EWY3-SBM	SMART Board M600 series interactive whiteboard three-year warranty extension (available at time of projector purchase only)
<b>Optional accessories</b>	See <a href="http://smarttech.com/accessories">smarttech.com/accessories</a>

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