

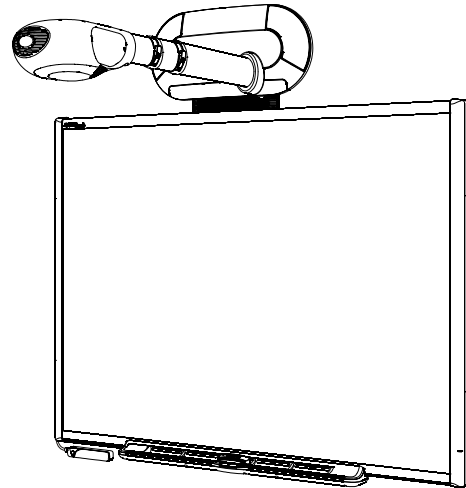
SMART Board™ Interactive Whiteboard System

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 Panel	7 5/8" W × 1 1/4" H × 1 3/8" D (19.4 cm × 3.2 cm × 3.5 cm)
Weight	33 lb. (15.0 kg)
Shipping Size	30" W × 19" H × 45" D (76.2 cm × 48.3 cm × 114.3 cm)
Shipping Weight	52 lb. (23.6 kg)



SMART Board™ 680 Interactive Whiteboard

Size	65 1/4" W × 49 1/2" H × 5 1/8" D (165.7 cm × 125.7 cm × 13.0 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 Size	54" H × 73 1/2" W × 5 1/2" D (137.2 cm × 186.7 cm × 14.0 cm)
Shipping Weight	45 lb. (20.5 kg)

All dimensions +/- 1/8" (3.2 mm). All weights +/- 2 lb. (0.9 kg).

Standard Features

Software	SMART Board software and Notebook™ software. Software upgrades are available at www.smarttech.com/support/software/index.asp .
Certifications and Compliance	UL (Canada/U.S.), CE, FCC, VCCI, RoHS (China), RoHS (Europe), WEEE. Certifications for Japan and Mexico are pending.
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	Template ensures a simple installation and accurate alignment between the Unifi 35 projector and your SMART Board 680 interactive whiteboard. Use in place of the installation instructions provided with the 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.

Interactive Whiteboard Features

Pen Tray	Optical sensors in the pen tray detect when you lift a pen or the eraser from the tray. LEDs show the active tool.
Pens and Eraser	Black, blue, red and green 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	Analog resistive
Frame Finish	Two-tone gray (approximates Pantone® Charcoal Gray 18-0601 TPX) and Ultrasonic Chrome (approximates metallic Pantone 877 C)
Wall-Mount Bracket	32" (81.3 cm) wide with five screws and drywall anchors to support a wall-mounted interactive whiteboard.
Installation Instructions	Do not use when installing the 680i system. The installation instructions are for interactive whiteboard installations that do not include the Unifi projector.

Unifi 35 Projector Features

On-Screen Interface	Includes interactive tools for controlling the projector, making notes over projected images and saving ScratchPad™ pages to a USB storage device.	
Projector Head	Includes a focus ring and a side-mounted access door for changing the lamp.	
Display Type	True XGA (1024 × 768) projector	
Display Technology	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.	
Brightness	1500 ANSI lumens, typical	
Lamp Life	2000 hours (Standard mode), 3000 hours (Economy mode)	
Aspect Ratio	4:3 native, with support for 16:9	
Contrast Ratio	1000:1 (FO/FO) (minimum)	
Video Compatibility	NTSC/PAL/SECAM/Composite/S-video/Component (YPbPr/YCbCR)/SDTV (480i, 576i)/EDTV (480P, 576P)/HDTV (720P, 1080i) VGA/SVGA/SGA/SXGA/MAC/(UXGA)	
Synchronization	Auto image synchronization (auto tracking/frequency/position adjustment/source detect/phase detect)	
Scanning Rate	H-sync 15 kHz–82 kHz, V-sync 50 Hz–85 Hz	
Color	True color (16.7 million 24-bit colors)	
Audio System	Integrated stereo amplifier and speakers (20 watts per channel)	
Mounting Hardware	Hardware supplied for mounting the Unifi projector and the extended connection panel to framed and concrete walls.	
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
		- one for USB link to interactive whiteboard
	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–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

Input/Output Connections	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

Power Button	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 20–80% humidity, non-condensing from 2500' to 5000' (762 m to 1524 m) 50°F to 86°F (10°C to 30°C) with 20–80% humidity, non-condensing from 5000' to 10000' (1524 m to 3048 m) 50°F to 77°F (10°C to 25°C) with 20–80% humidity, non-condensing

SMART Board Software 9.5 Computer Requirements

Windows™ Computers	Pentium® II 450 MHz processor 128 MB of RAM (256 MB recommended) 150 MB of free hard disk space for minimum installation (840 MB for full installation with Gallery collections) Windows 2000, Windows XP or Windows Vista™ operating system Internet Explorer® internet browser 6.0 or later Adobe® Flash™ player version 8
Requirements for SMART Video Player	Pentium II 450 MHz processor (700 MHz or faster recommended) Windows 2000 operating system or later Microsoft® DirectX® technology 8.1 or later
Mac Computers	700 MHz processor (1 GHz or faster recommended) 128 MB of RAM (256 MB recommended) 75 MB of free hard disk space for minimum installation (930 MB for full installation with Gallery collections) Mac OS X version 10.4.x operating system software Safari application program version 1.3.2 or later SMART Board software version 9.7 supports both PowerPC® and Intel® processors (universal binary)
Linux® Computers	Pentium II 450 MHz processor 128 MB of RAM (256 MB recommended) 225 MB of free hard disk space for minimum installation (800 MB for full installation with Gallery collections) Linux kernel version 2.6 or later X Window System™ version 11 release 6 (X11R6) or later (must support XRender, Xinerama™, XFixes, Xau and Xdmcp) glibc 2.3.3 (gcc 3.4.2) libstdc++6 GNOME™ 2.8.0+ or KDE® 3.3+ libraries (recommended) SUSE™ 10, Red Hat® Enterprise Linux 4 WS, Debian® 3.1 (Sarge), Ubuntu® 6.06 LTS or Fedora™ Core 3+

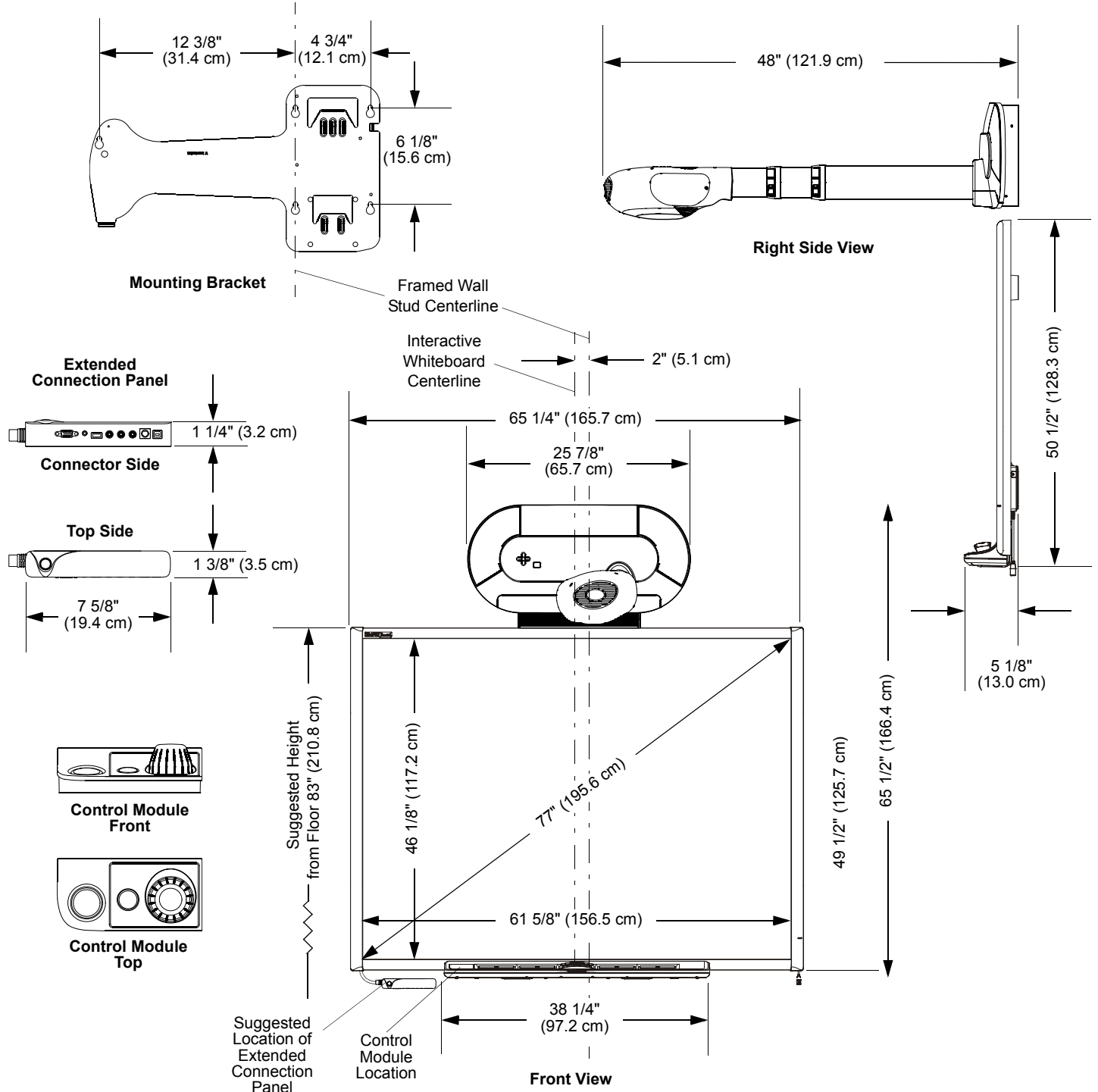
Optional Accessories

USB-XT	16' (5.0 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

SMART Order Number

680i	SMART Board 680i interactive whiteboard system includes a SMART Board 680 interactive whiteboard integrated with a Unifi 35 projector.
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Physical Dimensions



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