Specifications

SMART Board® 4084 interactive flat panel
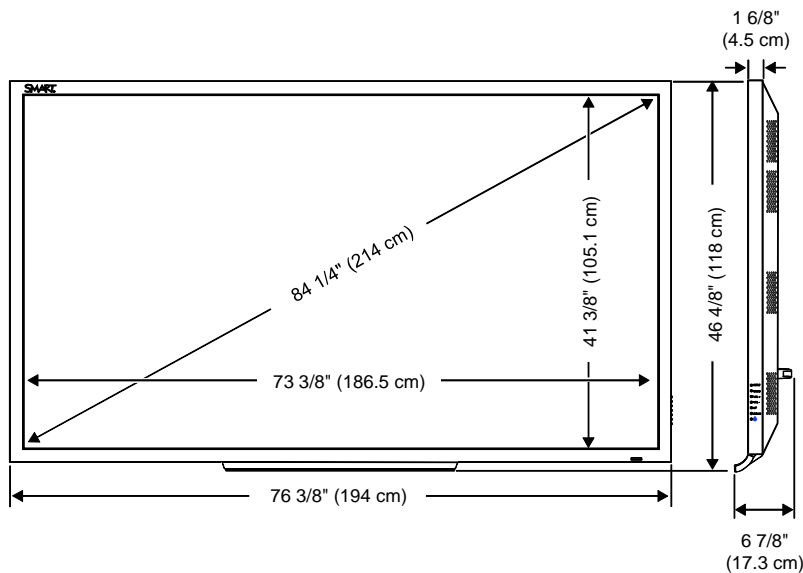**Model SPNL-4084**

Overview

Designed specifically for classrooms, the SMART Board® 4084 interactive flat panel combines a premium touch experience with the power of SMART Notebook® collaborative learning software on an 84" (213.4 cm) LED display.

The 4K ultra-high-definition resolution display provides optimal image clarity and features low-friction coated glass that lets fingers glide smoothly over the surface, creating a natural touch experience. The SMART Board 4084 interactive flat panel virtually eliminates glare and provides an optimal view from any angle in the classroom. It delivers an unparalleled viewing and writing experience, and offers the best value for classrooms. With 10 simultaneous touch points for Windows® operating systems and one touch point for Mac® computers, multiple students can use gestures, such as zoom, rotate and flip, at the same time.

See education.smarttech.com for more information about this product.

Dimensions and weights[1]

Dimensions

Weight

238 lb (108 kg)

Shipping dimensions

80 3/8" × 54 7/8" × 11 1/4"
(204.1 cm × 139.3 cm × 28 cm)

Shipping weight

284 lb (129 kg)

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[1]All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

Hardware

Interaction

Touch technology	Infrared
Multi-touch capabilities	Ten simultaneous touch points on computers with Windows 7, 8 or 10 operating systems. One touch point on computers with Mac OS X 10.9 , 10.10 or 10.11 operating system software.
Gesture support	Windows 7, 8 and 10 operating systems. Mac OS X 10.9, 10.10 and 10.11 operating system software.

Display

Aspect ratio	16:9
Optimal resolution	4K UHD 2160p 3840 × 2160 at 30 Hz
Horizontal frequency	244-280 kHz
Vertical frequency	108-122 Hz
Contrast ratio (typical)	1400:1
Brightness (typical)	300 cd/m^2
Pixel pitch	0.4845 mm
Gamut	72% of NTSC
Viewing angle	178°
Response time	5 ms

Audio

Speakers	Two 10 watt
Noise level	< 20dBa

Included cables and hardware

Power	Country-specific power cable
USB	16' (5 m) USB A/B type
VGA	6' (18 m) D-sub15 pin connector
Remote control	Infrared remote control
Pens and pen tray	Pen tray and two ergonomic pens with comfort grip

Mounting

Mounting holes	For a standard VESA® 600 mm × 600 mm mounting plate. Lower holes are 8 3/8" (21.2 cm) from the bottom of the interactive flat panel. Uses M8 ×1.25 screws.

Connectors

Side

HDMI	HDMI® 1.4 in. Maximum cable length of 6' 5" (2 m).
USB	USB 2.0 Type-B (touch). Maximum cable length of 6' 5" (2 m).
Power	AC power outlet with IEC 60320-C13 socket, 4A max at 100–240V AC

Bottom

HDMI	Three HDMI 1.4 in
RGB D Sub (VGA)	D-sub 15 pin in
Component	Five RCA inputs (Y, Pb, Pr, L, R)
Composite	RCA analog audio and composite video inputs (red, white and yellow)
SPDIF	SPDIF optical out
USB-A	USB 2.0 Type-A (media access)
USB-B	USB 2.0 Type-B (touch)
PC audio	3.5 mm stereo in
Analog audio	3.5 mm stereo out
Power	AC power inlet with IEC 60320-C14 socket

Installation requirements

Interactive flat panel	See the SMART Board 4000 series interactive flat panel installation guide
Mini computer	
System requirements	See smarttech.com/SMARTNotebookReleaseNotes
Power requirements	4A max at 100–240V AC
Mini computer slot	Fits computers smaller than 10" × 10" × 2" (25.4 cm × 25.4 cm × 5.1 cm)
Mounting	VESA mounting pattern 75 mm × 75 mm or 100 mm × 100 mm
Weight	Supports computers less than 10 lb. (4.5 kg)
HDMI cable	HDMI 1.4 compliant. Use a certified active HDMI extender for longer cables.

Storage and operating requirements

Power requirements	100–240V AC, 50/60Hz
Power consumption at 77°F (25°C)	
Standby mode	0.5 W
Maximum operating	460 W (not including mini computer)

Operating requirements

Operating temperature	41–95°F (5–35°C)
Operating humidity	10-80% relative humidity, non-condensing

Storage requirements

Storage temperature	-13–140°F(-25–60°C)
Storage humidity	5–95% relative humidity, non-condensing

Certification and compliance

Regulatory certification

Regulatory certification	cULus (U.S. and Canada), FCC, IC, CE Mark, RCM Mark (Australia/New Zealand)
Pending regulatory certification	EAC (Russia) and SPRING (Singapore)

Environmental compliance

European Union	REACH, RoHS, WEEE, Battery and Packaging
U.S.	Packaging and Conflict Minerals

Purchasing information

Order numbers

SPNL-4084	SMART Board 4084 interactive flat panel, including a SMART Notebook software license key
Optional accessories	See smarttech.com/accessories
Warranty	Two-year standard limited warranty

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smarttech.com/support
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