

Specifications

SMART Board® 4084 interactive flat panel

Model SPNL-4084

Overview

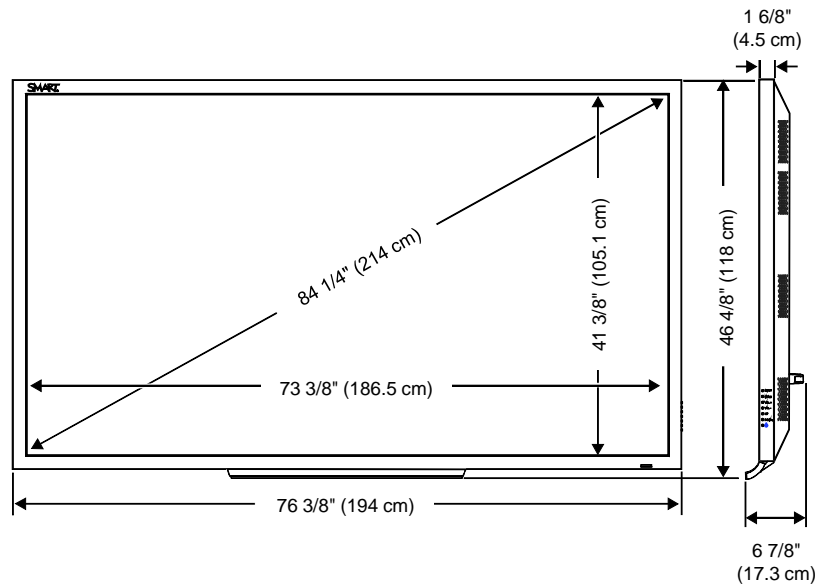
Designed specifically for classrooms, the SMART Board® 4084 interactive flat panel combines a premium touch experience with the power of SMART Notebook® collaborative learning software on an 84" (213.4 cm) LED display.

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*

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)

*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 and 10 operating systems One touch point on computers with OS X 10.9, 10.10 or 10.11 operating system software
Gesture support	Windows 7, 8 and 10 operating systems 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	< 20 dBa

Included cables and hardware

Power	Country-specific power cable
USB	16' (5 m) USB A/B type
VGA	6' (18 m) D-sub 15 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.
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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 output
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 <i>SMART Board 4000 series interactive flat panel installation guide</i> (smarttech.com/kb/170799)
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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)

Cable requirements

HDMI	HDMI 2.0 compliant or better Maximum length: 23' (7 m) Notes: Use only certified HDMI cables that have been tested to support the performance standard you require. The performance of cables longer than 23' (7 m) is highly dependent on the quality of the cable.
USB	Maximum length: 16' (5 m)
VGA	Maximum length: 23' (7 m)
All other analog video	Maximum length: 13' (4 m)
Important	Using cables that exceed these maximum lengths may produce unexpected results or degraded picture quality or USB connectivity. Refer to the <i>SMART installation standards</i> (smarttech.com/kb/171035) for a comprehensive guide on cables and extensions for SMART hardware products.

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 accessoriesSee smarttech.com/accessories

Warranty

Two-year standard limited warranty

smarttech.com/support
smarttech.com/contactsupport

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