

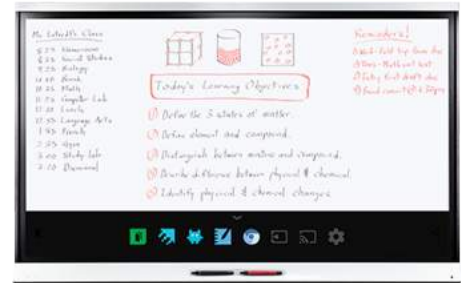
Specifications

# SMART Board® 6075 interactive flat panel with iQ

Model SPNL-6275

## Overview

The SMART Board® 6075 interactive flat panel with iQ is the hub of your classroom. iQ technology connects devices, lesson content and pedagogically relevant software to create a cohesive educational experience. PC-free embedded computing provides one-touch access to a diverse suite of SMART applications—Notebook lessons, amp workspaces, lab gamification activities and whiteboard—and collaborative tools, such as wireless screen sharing and a web browser. There’s no need for wires, cables or manual software and firmware updates.



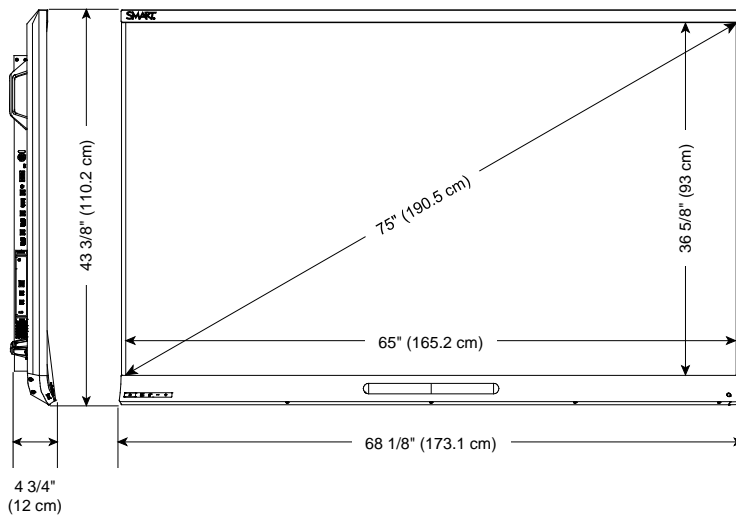
The 75" 4K ultra-high-definition LED display provides optimal image clarity and wide viewing angles. With the Pen ID™ feature, you can assign different appearances to the two pens and write or draw over any application in digital ink.

Object Awareness™ allows you to perform mouse functions with your finger, write in digital ink with the pen, and erase with your palm or eraser—all without switching tools or modes. You can use a variety of gestures in applications, and two users can write or draw at the same time.

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

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

### Dimensions



### Weight

185 lb. (84 kg)

### Shipping dimensions (including pallet)

75 3/8" × 54 3/8" × 14"

(191.6 cm × 138 cm × 35.5 cm)

### Shipping weight

238 lb. (108 kg)



As an ENERGY STAR® certified signage display, the SMART Board 6075 interactive flat panel with iQ meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy.

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

## Hardware

### Interaction

Touch technology	DViT® (Digital Vision Touch) technology
Multitouch capabilities	8 touches <sup>2</sup>
Object Awareness	Behavior adjusts automatically to the tool or object being used, whether it's a pen, finger, eraser or palm.
Pen ID	Two people can write independently and simultaneously, using different colored ink.

### Display

Type	LED
Aspect ratio	16:9
Optimal resolution	3840 × 2160 at 30 Hz (HDMI®) or 60 Hz (DisplayPort)
Horizontal frequency	122–140 kHz (typically 135 kHz)
Vertical frequency	47–63 Hz (typically 60 Hz)
Contrast ratio (typical)	5000:1
Brightness (maximum)	360 cd/m <sup>2</sup>
Pixel pitch	0.429 mm × 0.429 mm
Gamut	72% of NTSC
Viewing angle	178°
Response time (typical)	8 ms

<b>Presence detection</b>	Presence detection sensor on the bottom frame
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<b>Audio</b>	10 W integrated side-firing speakers (×2)
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<b>Noise level</b>	<35 dBA
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<b>Included cables and accessories</b>	iQ appliance 8' (2.4 m) country-specific power cable 16' 5" (5 m) USB cable Pen (×2)
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<b>iQ appliance</b>	
Wireless technology	Bluetooth® 4.0 dual mode (backwards compatible with Bluetooth 2.1 + EDR)

Capture options	Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the interactive flat panel's unique QR code
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<b>Mounting holes</b>	For a standard VESA® 600 mm × 400 mm mounting plate Lower mounting holes 13 3/4" (35 cm) from the bottom of the interactive flat panel
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<sup>2</sup>Requires SMART Product Drivers to be installed. Some applications might not support 8 touches.

**Mounting bracket depth** Minimum depth of 1 5/8" (4.2 cm) for all components on the back of the interactive flat panel to clear the wall

## Connectors

<b>Side</b>	Connector panel:	iQ appliance:
	OPS slot (for the iQ appliance)	USB 3.0 Type-A (×2)
	USB 2.0 Type B (×3)	USB 2.0 Type-B <sup>3</sup>
	HDMI 1.4 in (×2)	USB 2.0 Type-B
	DisplayPort in	HDMI 1.4 in
	Stereo 3.5 mm out	HDCP encrypted HDMI 1.4 out
	RS-232 in	RJ45
<b>Bottom</b>	USB 2.0 Type-A	
<b>Back</b>	AC power inlet	

## Installation requirements

**Interactive flat panel** See the *SMART Board 6000 series interactive flat panels administrator's guide* ([smarttech.com/kb/170641](http://smarttech.com/kb/170641))

### SMART kapp® app

Apple devices iOS 8.1 or later operating system software  
50 MB of storage  
iPhone 4S or later  
Third generation iPad or later  
First generation iPad mini or later  
Fifth generation iPod touch or later

Android™ devices Android 4.4.4 (KitKat) or later operating system  
50 MB of storage (internal or SD card)  
1024 MB of RAM  
720p or better screen resolution  
Bluetooth 2.1 + EDR  
3 megapixel or better rear-facing camera (recommended)

### SMART kapp viewer

Mobile Safari for iOS 8.1 or later operating system software  
Chrome™ for Android 39.0.2171.93 or later

Desktop Internet Explorer® 10 or later  
Chrome 39.0.2171.95 or later  
Firefox® 34.0.5 or later  
Safari 8.0 or later

<sup>3</sup>For service use only


**Room computers and guest laptops**

General requirements	See <a href="https://smarttech.com/SMARTNotebookReleaseNotes">smarttech.com/SMARTNotebookReleaseNotes</a>
4K UHD	Graphics card that can support 3840 × 2160 resolution at 30 Hz and that has 1 GB DDR 5 memory See <a href="https://kb.smarttech.com/?q=15546">kb.smarttech.com/?q=15546</a>

**Mini-computers**

General requirements	See <a href="https://smarttech.com/SMARTNotebookReleaseNotes">smarttech.com/SMARTNotebookReleaseNotes</a>
Dimensions	Smaller than 10" × 10" × 2" (25.4 cm × 25.4 cm × 5.1 cm)
Weight	Less than 10 lb. (4.5 kg)
Mounting	VESA 75 mm × 75 mm or 100 mm × 100 mm mounting pattern

**Cable requirements**

<b>HDMI</b>	HDMI 1.4 compliant or better Maximum length: 23' (7 m)
 <b>NOTES</b> <ul style="list-style-type: none"> <li>Use only certified HDMI cables that have been tested to support the performance standard you require.</li> <li>The performance of cables longer than 23' (7 m) is highly dependent on the quality of the cable.</li> </ul>	
<b>DisplayPort</b>	DisplayPort 1.2 compliant or better Maximum length: 23' (7 m)
<b>USB</b>	Maximum length: 16' (5 m)
<b>Important</b>	Using cables that exceed these maximum lengths may produce unexpected results, degraded picture quality or USB connectivity. Refer to the <i>SMART installation standards</i> ( <a href="https://smarttech.com/kb/171035">smarttech.com/kb/171035</a> ) for a comprehensive guide on cables and extensions for SMART hardware products.

**Storage and operating requirements**

<b>Power requirements</b>	100V to 240V AC, 50 Hz to 60 Hz
<b>Interactive flat panel and iQ appliance power consumption at 77°F (25°C)</b>	
Standby mode	19 W
Normal operating	190 W
Maximum operating	315 W
<b>Standalone interactive flat panel power consumption at 77°F (25°C)</b>	
Standby mode	<2 W

Normal operating (out-of-box)	<131 W
<b>Operating temperature</b>	41–95°F (5–35°C)
<b>Storage temperature</b>	-4–140°F (-20–60°C)
<b>Humidity</b>	5–80% relative humidity, non-condensing

## Certification and compliance

<b>Regulatory certification</b>	UL (U.S./Canada), FCC, IC, EMC, LV, VCCI, PSE, KC Mark
<b>Environmental compliance</b>	
European Union	REACH, RoHS, WEEE and Packaging
U.S.	Packaging and Conflict Minerals

## Purchasing information

<b>Order number</b>	
SPNL-6275	SMART Board 6075 interactive flat panel with IQ and SMART Learning Suite
<b>Optional accessories</b>	
WM-SBID-501	Fixed wall mount for SMART Board interactive flat panels
Other	See <a href="http://smarttech.com/accessories">smarttech.com/accessories</a>
<b>Warranty</b>	Three-year limited equipment warranty
<b>Extended warranty</b>	
EWY1-SPNL-6275	One-year warranty extension
EWY2-SPNL-6275	Two-year warranty extension



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