

Specifications

# SMART kapp iQ

## SMART kapp iQ™ 75 board

### Overview

With a SMART kapp iQ™ 75 board, you can capture notes and ideas, present information and collaborate with others in simple but powerful ways.

Connect a Bluetooth®-enabled mobile device to the board by scanning the Quick Response (QR) code on the board's screen. When you first connect your mobile device, you're directed to the Apple App Store or Google Play™ to download the SMART kapp® app. After installing the app, you can connect to your board and share notes with others. You can write notes in black or red ink using the provided pens and erase notes with the pens' erasers or with your palm or fist.

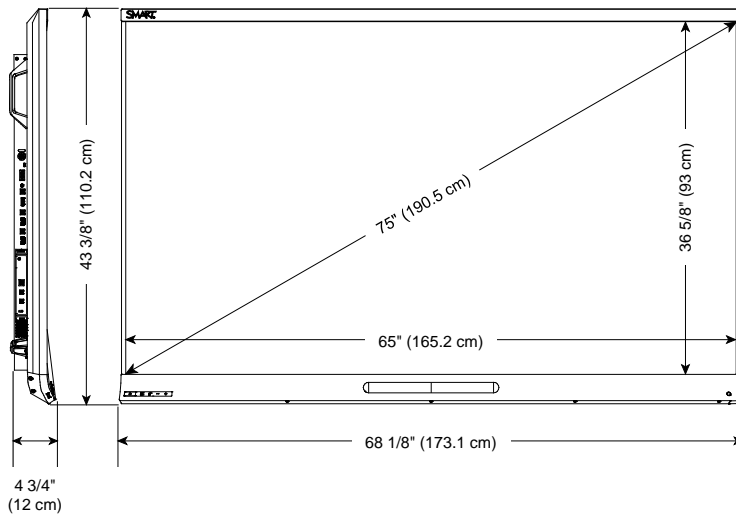
The board's 4K ultra-high-definition resolution display provides optimal image clarity and viewing from any angle.

See [education.smarttech.com](http://education.smarttech.com) for more information about SMART kapp iQ.



### 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 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 whatever tool or object is 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>Wireless technology</b>	Bluetooth 4.0 dual mode (backwards compatible with Bluetooth 2.1 + EDR)
<b>Capture options</b>	Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the board's unique QR code
<b>Presence detection</b>	Presence detection sensor on the bottom frame
<b>Audio</b>	10 W integrated side-firing speakers (×2)
<b>Noise level</b>	<35 dBA
<b>Included cables and accessories</b>	8' (2.4 m) country-specific power cable 16' 5" (5 m) USB cable <sup>3</sup> Pen (×2)
<b>Included hardware</b>	AM30-ENT appliance

<sup>2</sup>Requires SMART Product Drivers to be installed, and some applications might not support 8 touches

<sup>3</sup>HDMI cable not included (See *Cable requirements* for HDMI cable requirements.)

**Mounting holes** For a standard VESA® 600 mm × 400 mm mounting plate  
 13 3/4" (34.9 cm) from the bottom of the interactive flat panel

**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>	Side connector panel:	AM30-EDU appliance:
	USB 2.0 Type-B (×3) HDMI 1.4 in (×2) DisplayPort in Stereo 3.5 mm out RS-232 in	USB 3.0 Type-A (×2) USB 2.0 Type-B <sup>4</sup> USB 2.0 Type-B HDMI 1.4 in HDCP encrypted HDMI 1.4 out RJ45
<b>Bottom</b>	USB 2.0 Type-A	
<b>Back</b>	AC power inlet	

## Installation requirements

**Board** See the *SMART kapp IQ boards administrator's guide* ([smarttech.com/kb/171038](http://smarttech.com/kb/171038))

### 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>4</sup>For service use only

### Room computers and guest laptops

General requirements	See <a href="https://smarttech.com/kb/170978">smarttech.com/kb/170978</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/kb/170978">smarttech.com/kb/170978</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) 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.
<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>Solution 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

**Regulatory certification** UL (U.S./Canada), FCC, IC, EMC, LV, VCCI, PSE, KC Mark

### Environmental compliance

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

## Purchasing information

### Order number

KAPP-IQ75	SMART kapp iQ 75 board
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### Optional accessories

WM-SBID-501	Fixed wall mount for SMART interactive flat panels
Other	See <a href="http://smarttech.com/businessaccessories">smarttech.com/businessaccessories</a>

### Warranty

Two-year limited equipment warranty

[smarttech.com/support](http://smarttech.com/support)  
[smarttech.com/contactsupport](http://smarttech.com/contactsupport)

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