

## Specifications

# SMART kapp iQ

## SMART kapp iQ® 65 board

### Overview

With a SMART kapp iQ® 65 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.

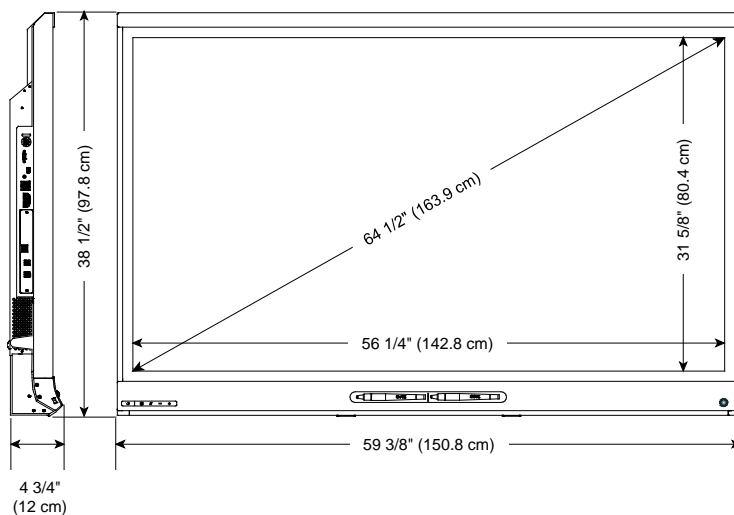
The board's 4K ultra-high-definition resolution display provides optimal image clarity and viewing from any angle.

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



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

#### Dimensions



#### Weight

138 lb. (62.4 kg)

#### Shipping dimensions (including pallet)

69 1/4" × 49 5/8" × 11 7/8"  
(175.8 cm × 126.1 cm × 30.3 cm)

#### Shipping weight

182 lb. (82.4 kg)

<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 you're using, 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® input only)
Horizontal frequency	244–280 kHz (analog and digital)
Vertical frequency	24–120 Hz
Contrast ratio (typical)	1400:1
Brightness (maximum)	360 cd/m <sup>2</sup>
Pixel dimensions	0.372 mm
Gamut	72% of NTSC
Viewing angle	178°
Response time (typical)	8 ms

**Presence detection** Presence detection sensor on the bottom frame

**Audio** 10 W integrated speakers (×2)

**Noise level** <35 dBA

**Included cables and accessories** SMART kapp iQ appliance  
8' (2.4 m) country-specific power cable  
Pen (×2)

### SMART kapp iQ appliance

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 display's unique QR code

<sup>2</sup>Requires SMART Product Drivers to be installed. Some applications might not support 8 touches.

Supported languages

- French
- German
- Italian
- Japanese
- Korean
- Norwegian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese

**Mounting holes** For a standard VESA® 400 mm × 400 mm mounting plate  
 Lower mounting holes 13 3/4" (35 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 display to clear the wall

## Connectors

<b>Side</b>	<b>Connector panel</b>	<b>SMART kapp iQ appliance</b>
	OPS slot (for the SMART kapp iQ appliance)	USB 3.0 Type-A (×2)
	HDMI input connectors	USB 2.0 Type-B <sup>3</sup>
	HDMI in	OPS/HDMI input connectors
	USB Type-B	HDMI in
	Stereo 3.5 mm out	USB Type-B
	RS-232 in	HDCP encrypted HDMI 1.4 out
		RJ45

**Bottom** USB 2.0 Type-A

**Back** 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 9 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

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

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### SMART KAPP IQ 65

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)
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### SMART kapp viewer

Mobile	Safari for iOS 9 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

### Room computers and guest laptops

General requirements	See the <a href="#">SMART Notebook software release notes</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="#">Minimum requirements for Ultra High Definition or 4K on your interactive flat panel</a>

## Cable requirements

### HDMI

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 cable's quality.

### USB

Maximum length: 16' (5 m)

### Important

Using cables that exceed these maximum lengths can produce unexpected results, such as degraded picture quality or USB connectivity. Refer to *SMART installation standards* ([smarttech.com/kb/171035](http://smarttech.com/kb/171035)) for comprehensive information about cables and extensions for SMART hardware products.

## Storage and operating requirements

<b>Power requirements</b>	100V to 240V AC, 50 Hz to 60 Hz
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### Power consumption at 77°F (25°C)

Standby mode	48 W
Normal operating (out-of-box)	187 W
Maximum operating	199 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, CE Mark, RCM Mark

### Environmental compliance

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

## Purchasing information

### Order number

KAPP-IQ65	SMART kapp iQ 65 board
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### Optional accessories

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