

Specifications

SMART kapp iQ

SMART kapp iQ® 55 board

Overview

With a SMART kapp iQ® 55 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.

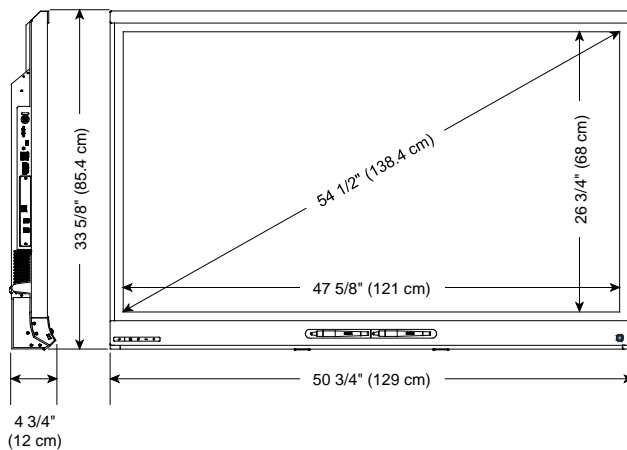


The board's 4K ultra-high-definition resolution display provides optimal image clarity and viewing from any angle.

See education.smarttech.com for more information about SMART kapp iQ.

Dimensions and weights¹

Dimensions



Weight

107 lb. (48.4 kg)

Shipping dimensions (including pallet)

59 7/8" × 11" × 44 1/4"

(152 cm × 28 cm × 112.5 cm)

Shipping weight

146 lb. (66.4 kg)

¹All 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 ²
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 ²
Pixel dimensions	0.315 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
<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

²Requires 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

Side	Connector panel	SMART kapp IQ appliance
	OPS slot (for the SMART kapp IQ appliance)	USB 3.0 Type-A (×2)
	HDMI input connectors	USB 2.0 Type-B ³
	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)

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

³For service use only

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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 SMART Notebook software release notes
4K UHD	Graphics card that can support 3840 × 2160 resolution at 30 Hz and that has 1 GB DDR 5 memory See Minimum requirements for Ultra High Definition or 4K on your interactive flat panel

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) for comprehensive information about cables and extensions for SMART hardware products.

Storage and operating requirements

Power requirements 90V to 240V AC, 50 Hz to 60 Hz

Power consumption at 77°F (25°C)

Standby mode	25 W
Normal operating (out-of-box)	122 W
Maximum operating	134 W

Operating temperature	41–95°F (5–35°C)
Storage temperature	-4–140°F (-20–60°C)
Humidity	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-IQ55	SMART kapp iQ 55 board
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Optional accessories

WM-SBID-501	Fixed wall mount for SMART Board interactive displays
Other	See smarttech.com/accessories

Warranty

Two-year limited equipment warranty

smarttech.com/support
smarttech.com/contactsupport

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