SMART®

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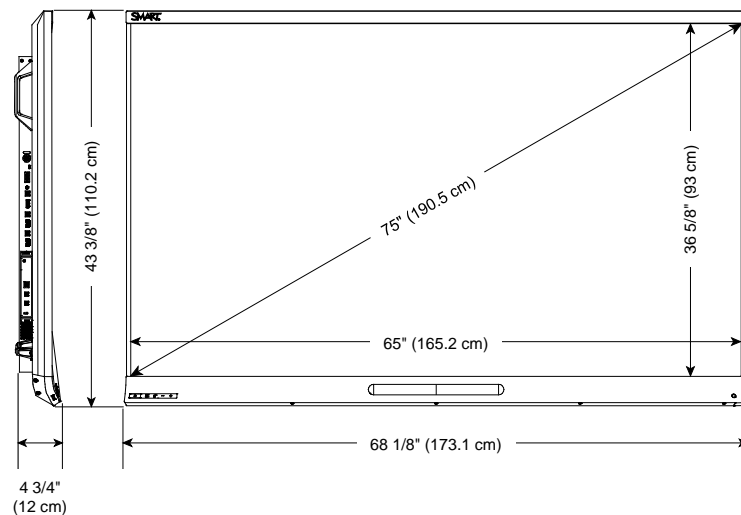
The board's 4K ultra-high-definition resolution display provides optimal image clarity and viewing from any angle.

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

Dimensions and weights[1]

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.

[1]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[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®) 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^2
Pixel dimensions	0.429 mm × 0.429 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

---

[2]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® 600 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 iQ appliance)	USB 3.0 Type-A (×2)
	HDMI1 input connectors	USB 2.0 Type-B[3]
	HDMI in	OPS/HDMI input connectors
	USB Type-B	HDMI in
	HDMI2 input connectors	USB Type-B
	HDMI in	HDCP encrypted HDMI 1.4 out
	USB Type-B	RJ45
	DisplayPort input connectors	
	DisplayPort in	
	USB-Type-B	
	Stereo 3.5 mm out	
	RS-232 in	

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)

[3]For service use only

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
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 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

Mini-computers

General requirements	See the SMART Notebook software release notes
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

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.

DisplayPort	DisplayPort 1.2 compliant or better Maximum length: 23' (7 m)

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	100V to 240V AC, 50 Hz to 60 Hz
Solution power consumption at 77°F (25°C)	
Standby mode	19 W
Normal operating	190 W
Maximum operating	315 W
Standalone interactive flat panel power consumption at 77°F (25°C)	
Standby mode	<2 W
Normal operating (out-of-box)	<131 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, 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
Optional accessories	
WM-SBID-501	Fixed wall mount for SMART Board interactive displays
Other	See smarttech.com/accessories
Warranty	Two-year limited equipment warranty