SMART®

Specifications

⬚ SMART kapp iQ

SMART kapp iQ™ 55 board

Overview

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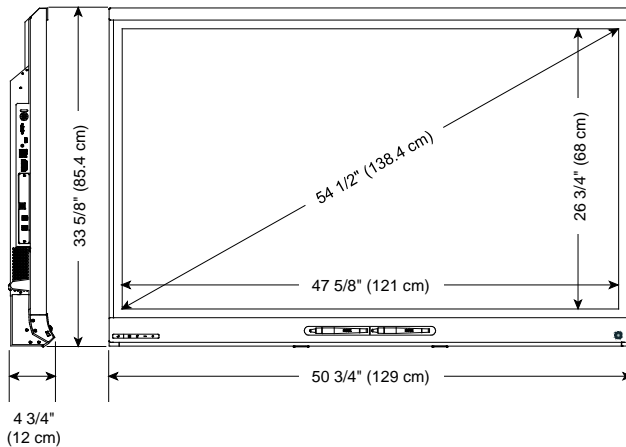
The board's 4K ultra-high-definition resolution display provides optimal image clarity and viewing from any angle.

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

Dimensions and weights[1]

Dimensions

54 1/2" (138.4 cm)
33 5/8" (85.4 cm)
26 3/4" (68 cm)
47 5/8" (121 cm)
50 3/4" (129 cm)
4 3/4" (12 cm)

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)

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[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	4 touches
Object awareness	Behavior adjusts automatically depending on 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® input only)
Horizontal frequency	244–280 kHz (analog and digital)
Vertical frequency	24–120 Hz
Contrast ratio (typical)	1400:1
Brightness (typical)	280–360 cd/m²
Pixel pitch	0.315 mm
Gamut	72% of NTSC
Viewing angle	178°
Response time	8 ms
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 board's unique QR code
Presence detection	Presence detection sensor on the bottom frame
Audio	10 W integrated side-firing speakers (×2)
Noise level	35 dBA
Included cables and accessories	8' (2.4 m) country-specific power cable Pen (×2)
Included hardware	AM30 appliance
Mounting holes	For a standard VESA® 400 mm × 400 mm mounting plate 11 1/8" (28.2 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

Side	Side connector panel: USB 2.0 Type-B HDMI 1.4 in Stereo 3.5 mm out RS-232 in	AM30 appliance: USB 3.0 Type-A (×2) USB 2.0 Type-B (×2)[2]
Bottom	USB 2.0 Type-A	
Back	AC power inlet	

Installation requirements

Board	See the *SMART kapp iQ boards administrator's guide*

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

Room computers and guest laptops

General requirements	See smarttech.com/kb/170978
4K UHD	Graphics card that can support 3840 × 2160 resolution at 30 Hz and that has 1 GB DDR 5 memory See kb.smarttech.com/?q=15546

[2]For service use only

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	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 numbers

Kapp-iQ55	SMART kapp iQ 55 board

Optional accessories

WM-SBID-501	Fixed wall mount for SMART interactive flat panels
Other	See smarttech.com/businessaccessories
Warranty	Two-year limited equipment warranty