

Specifications

SMART Board® MX386 interactive display with iQ and Intel® Compute Card

Model SBID-MX386

Overview

The SMART Board® MX series has all the essentials educators need for bringing the devices students love into any learning environment. This display is great value for schools that need an interactive display on a budget. The 86" 4K Ultra HD resolution display includes SMART Learning Suite and a standard three-year warranty.

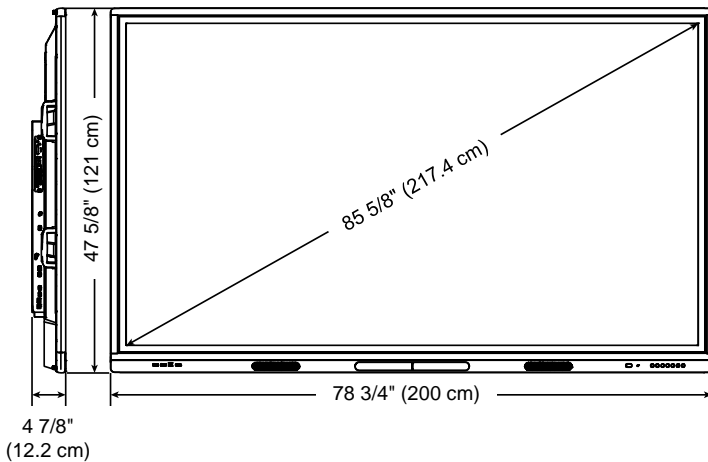
The embedded iQ appliance offers one-touch access to SMART Learning Suite applications, including SMART Notebook® lessons and SMART lab™ activities. You can also access collaboration tools, including a digital whiteboard, a web browser, and wireless screen sharing.

Install an Intel Compute Card in the appliance to provide a complete Windows 10 solution at your fingertips. Choose from three compute card options to provide a consistent room-to-room Windows Full HD experience.



Dimensions and weights¹

Dimensions



Weight

173 lb. (78.3 kg)

Active touch area

76 3/8" × 43 3/4" (194.1 cm × 111.2 cm)

Active image area

74 5/8" × 42" (189.5 cm × 106.6 cm)

Shipping dimensions (including pallet)

85 1/4" W × 57 3/8" H × 11 5/8" D (216.5 cm × 145.7 cm × 29.5 cm)

Shipping weight

240 lb. (109 kg)

¹All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

Hardware

Interaction

Touch technology	IR
Multitouch capabilities	Up to 20 simultaneous touch, writing, or erase points ²³
Object Awareness™	Behavior adjusts automatically to the tool or object you're using, whether it's a pen, finger or palm.

Display

Type	LED backlit LCD (A grade)
Aspect ratio	16:9
Resolution	4K UHD
Positioning accuracy	<2 mm
Horizontal frequency (minimum)	31 Hz
Horizontal frequency (maximum)	140 kHz
Vertical frequency (minimum)	59 Hz
Vertical frequency (maximum)	70 Hz
Contrast ratio (typical)	1600:1
Brightness (maximum)	≥350 cd/m ²
Refresh frequency	60 Hz
Pixel clock (maximum)	600 MHz
Pixel dimensions	0.49 mm
Viewing angle	178°
Response time (typical)	8 ms
Ambient light sensor	Yes
Audio	10 W integrated speakers (×2)
Wireless	802.11 Wi-Fi a/b/g/n/ac 2.4GHz and 5GHz

²Requires SMART Product Drivers to be installed. Some applications might not support all touch points.

³Chrome OS is limited to 10 simultaneous touches. Pens and eraser are not supported.

Included cables and accessories	iQ appliance Country-specific power cable 16' 5" (5 m) USB cable Wall mount bracket kit Pen (×2) Antennas (×2) IR remote control
iQ appliance	
Wireless technology	Bluetooth® dual mode (backwards compatible with Bluetooth 4.1 + EDR)
Capture options	Establish a Bluetooth connection with a supported mobile device (see below) by scanning the interactive display's unique QR code
Intel Compute Card features	See <i>iQ appliance with Intel Compute Card for SMART Board interactive displays specifications</i> (smarttech.com/kb/171263)
Supported languages	Danish Dutch English Finnish French German Italian Korean Norwegian Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Ukrainian Vietnamese
Mounting holes	NOTE A wall mount is included with the display.
Mounting bracket depth	Minimum clearance depth of 1 1/4" (3 cm) for all components on the back of the interactive display for airflow

Connectors

Back	Connector panel:	iQ appliance (AM50):
	HDMI® in (with HDCP 2.2 support) (×2)	HDMI 1.4 (3840 × 2160) output for external monitor
	VGA in	USB 3.0 Type-A (for iQ)
	RJ45 (×2)	USB 3.0 Type-A (for Intel Compute Card)
	USB Type-B (for touch applications) (×1)	RJ45 Gigabit Ethernet
	USB 2.0 Type-A (×2)	
	HDMI 1.4 out (HDCP-compliant) ⁴	
	S/PDIF out (optical)	
	Stereo 3.5 mm in (for VGA in)	
	Stereo 3.5 mm out	
	OPS slot	
	RS-232 control	
Front	HDMI in (with HDCP 1.4 support)	
	USB Type-B (for touch applications)	
	USB Type-A (×2)	

Applications

Interactive display	Apps included in the iQ appliance One-year subscription to SMART Learning Suite
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Installation requirements

Interactive display	See the <i>SMART Board MX series interactive displays installation and maintenance guide</i> (smarttech.com/kb/171257)
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SMART Notebook® Player mobile app	iOS 10 or later operating system software
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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
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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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⁴HDCP is always enabled. Content is shown in 480p resolution if the external display doesn't support HDCP.

SMART kapp viewer

Mobile	Safari for iOS 9 or later operating system software Chrome™ for Android 39.0.2171.93 or later
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Desktop	Internet Explorer® 10 or later Chrome 39.0.2171.95 or later Firefox® 34.0.5 or later Safari 8.0 or later
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Room computers and guest laptops

General requirements	See the SMART Notebook software release notes
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4K UHD	Graphics card that supports 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
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Mini-computers

General requirements	See the SMART Notebook software release notes
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Cable requirements

HDMI	Maximum length: 23' (7 m)
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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)
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Important	Using cables that are longer than these maximum lengths can produce unexpected results, such as degraded picture quality or USB connectivity. Refer to <i>SMART installation standards</i> (smarttech.com/kb/171035) for comprehensive information about cables and extensions for SMART hardware products.
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Storage and operating requirements

Power requirements	100V to 240V AC, 50 Hz to 60 Hz
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Interactive flat panel and IQ appliance power consumption at 77°F (25°C)

Standby mode	15 W
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Normal operating	265 W
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Standalone interactive display power consumption at 77°F (25°C)

Standby mode	≤0.3 W
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SPECIFICATIONS

SMART BOARD MX386 INTERACTIVE DISPLAY WITH IQ AND INTEL COMPUTE CARD – MODEL SBID-MX386

Normal operating (out-of-box)	250 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, ISED, CE, EAC, RCM
(Model ID: IDX86-1)

Environmental compliance

European Union	REACH, RoHS, Battery, WEEE and Packaging
U.S.	CONEG Packaging, California Proposition 65 and Conflict Minerals

Purchasing information

Order number

SBID-MX386-PT	SMART Board MX086 display with IQ and Intel Compute Card (with Pentium N4200 processor) + Windows 10 Pro, and SMART Learning Suite
SBID-MX386-I5	SMART Board MX086 display with IQ and Intel Compute Card (with Intel Core i5-7Y57 processor) + Windows 10 Pro, and SMART Learning Suite
SBID-MX386-M3	SMART Board MX086 display with IQ and Intel Compute Card (with Intel Core m3-7Y30 processor) + Windows 10 Pro, and SMART Learning Suite

Optional accessories

Other	See smarttech.com/accessories
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Warranty

North America and rest of world (except UK)	Three-year limited equipment warranty
UK	Five-year limited equipment warranty

Extended warranty

EWY1-SBID-MX386	SBID-MX386 interactive display with IQ one-year warranty extension
EWY2-SBID-MX386	SBID-MX386 interactive display with IQ two-year warranty extension

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