

Specifications

SMART Board® MX186 interactive flat panel

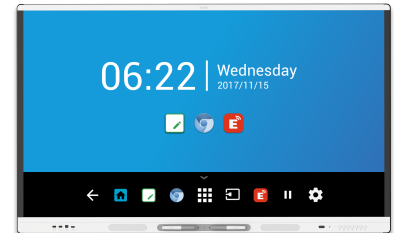
Model SBID-MX186

Overview

Digital whiteboard. Web browser. Screen sharing. Our newest SMART Board® MX100 series has all the essentials educators need for bringing the devices students love into any learning environment. The SMART Board MX100 series is a great value for schools that need an interactive display on a budget. Available in 65", 75" and 86" sizes—all in 4K Ultra HD resolution—with SMART Learning Suite included, and a standard three-year warranty.

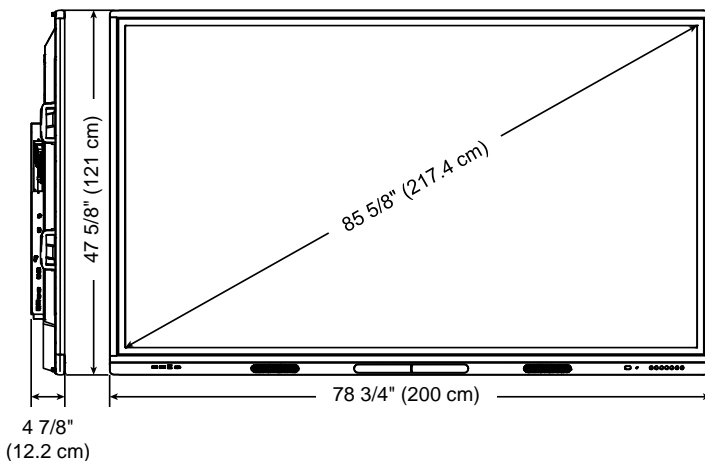
The display includes a subscription for SMART Learning Suite applications, including SMART Notebook® lessons and SMART lab™ activities.

The built-in e³ experience puts everything you need in one place, available at the touch of a finger. There's a browser, a digital whiteboard and wireless screen sharing for iOS and Android™ mobile devices and a wide variety of computers



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	Country-specific power cable 16' 5" (5 m) USB cable Wall mount bracket kit Pen (×2) Antennas (×2) IR remote control
Mounting holes	For a standard VESA® 700 mm × 400 mm mounting plate with M8 screws
	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: HDMI® in (with HDCP 2.2 support) (×2) VGA in RJ45 (×2) USB Type-B (for touch applications) (×1) USB 2.0 Type-A (×2) HDMI 1.4 out (HDCP-compliant) ⁴⁵ S/PDIF out Stereo 3.5 mm out Stereo 3.5 mm in (for VGA in) OPS slot RS-232 control
Front	HDMI in (with HDCP 1.4 support) USB 2.0 Type-B (for touch applications) USB 2.0 Type-A (×2)

Applications

Interactive display	Whiteboard Web browser EShare wireless screen share One-year subscription to SMART Learning Suite
----------------------------	--

⁴HDCP is always enabled. Content is shown in 480p resolution if the external display doesn't support HDCP.

⁵HDMI out is an optional feature. Contact your authorized SMART reseller (smarttech.com/where) for further ordering instructions.

Supported languages for e³ experience	Danish
	Dutch
	English
	Finnish
	French
	German
	Italian
	Norwegian
	Russian
	Simplified Chinese
	Spanish
	Swedish

Installation requirements

Interactive display	See the <i>SMART Board MX100 series interactive displays installation and maintenance guide</i> (smarttech.com/kb/171288)
----------------------------	--

Room computers and guest laptops

General requirements	See the SMART Notebook software release notes
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

Mini-computers

General requirements	See the SMART Notebook software release notes
----------------------	---

Cable requirements

HDMI	Maximum length: 23' (7 m)
NOTES	
<ul style="list-style-type: none"> • 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 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.

Storage and operating requirements

Power requirements	100V to 240V AC, 50 Hz to 60 Hz
---------------------------	---------------------------------

Standalone interactive display power consumption at 77°F (25°C)

Standby mode	≤0.3 W
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, IC, CE, EAC, RCM, NRCS, SABS, CITC, TRA, CCC
(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-MX186	SMART Board MX186 interactive display with one-year subscription of SMART Learning Suite
------------	--

Optional accessories

Other	See smarttech.com/accessories
-------	---

Warranty

Three-year limited equipment warranty

Extended warranty

EWY1-SBID-MX186	SBID-MX186 interactive display one-year warranty extension
EWY2-SBID-MX186	SBID-MX186 interactive display two-year warranty extension

smarttech.com/support
smarttech.com/contactsupport

© 2019 SMART Technologies ULC. All rights reserved. SMART Board, SMART Notebook, SMART lab, SMART amp, SMART response 2, DVIT, Pen ID, Object Awareness, smarttech, the SMART logo and all SMART taglines are trademarks or registered trademarks of SMART Technologies ULC in the U.S. and/or other countries. iPhone, iPad, iPod touch and Safari are trademarks of Apple Inc., registered in the U.S. and other countries. Google Play, Android and Chrome are trademarks of Google Inc. All other third-party product and company names may be trademarks of their respective owners. This product and/or use thereof is covered by one or more of the following U.S. patents: www.smarttech.com/patents. Contents are subject to change without notice. October 8, 2019.