SMART.

Specifications

SMART Board® MX075 interactive display
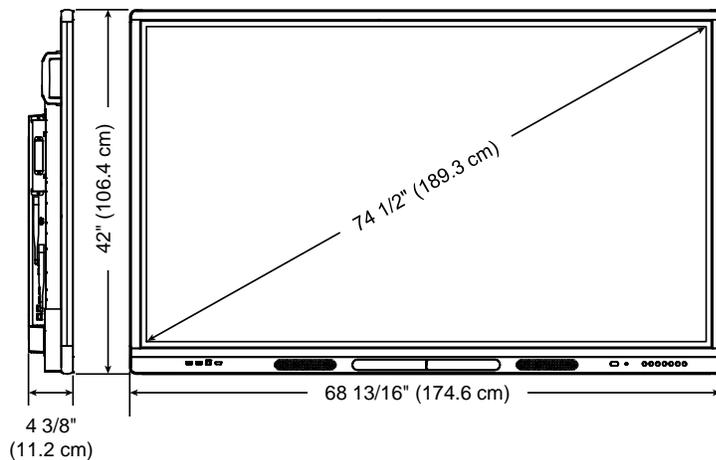
Model SBID-MX075

Overview

Digital whiteboard. Web browser. Screen sharing. Our newest SMART Board® MX series has all the essentials educators need for bringing the devices students love into any learning environment. The SMART Board MX 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.

Dimensions and weights[1]

Dimensions

Weight

133 lb. (60 kg)

Active touch area

66 1/2" × 38" (168.8 cm × 96.6 cm)

Active image area

65" × 36 1/2" × (165 cm × 92.8 cm)

Shipping dimensions (including pallet)

75" W × 50 1/4" H × 11 5/8" D (190.5 cm × 127.7 cm × 29.5 cm)

Shipping weight

192 lb. (87 kg)

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[1]All 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	0.43 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

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

[3]Chrome 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® 600 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)[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	One-year subscription to SMART Learning Suite

Installation requirements

Interactive display	See the *SMART Board MX series interactive displays installation and maintenance guide* (smarttech.com/kb/171257)
Room computers and guest laptops	
General requirements	See the SMART Notebook software release notes

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

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

- 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 *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

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

Standby mode	≤0.3 W
Normal operating (out-of-box)	238 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 (Model ID: IDX75-1)	UL (U.S./Canada), FCC, IC, CE, EAC, RCM, NRCS, SABS, CITC, TRA, CCC

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-MX075	SMART Board MX075 interactive display with one-year subscription of SMART Learning Suite

Optional accessories

Other	See smarttech.com/accessories

Warranty

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

Extended warranty

EWY1-SBID-MX075	SBID-MX075 interactive display one-year warranty extension
EWY2-SBID-MX075	SBID-MX075 interactive display two-year warranty extension