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 75" 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.

Dimensions and weights¹

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)

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

#### Interaction

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch technology</td>
<td>IR</td>
</tr>
<tr>
<td>Multitouch capabilities</td>
<td>Up to 20 simultaneous touch, writing, or erase points [2][3]</td>
</tr>
<tr>
<td>Object Awareness™</td>
<td>Behavior adjusts automatically to the tool or object you’re using, whether it’s a pen, finger or palm.</td>
</tr>
</tbody>
</table>

#### Display

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>LED backlit LCD (A grade)</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Resolution</td>
<td>4K UHD</td>
</tr>
<tr>
<td>Positioning accuracy</td>
<td>&lt;2 mm</td>
</tr>
<tr>
<td>Horizontal frequency (minimum)</td>
<td>31 Hz</td>
</tr>
<tr>
<td>Horizontal frequency (maximum)</td>
<td>140 kHz</td>
</tr>
<tr>
<td>Vertical frequency (minimum)</td>
<td>59 Hz</td>
</tr>
<tr>
<td>Vertical frequency (maximum)</td>
<td>70 Hz</td>
</tr>
<tr>
<td>Contrast ratio (typical)</td>
<td>1600:1</td>
</tr>
<tr>
<td>Brightness (maximum)</td>
<td>≥350 cd/m²</td>
</tr>
<tr>
<td>Refresh frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Pixel clock (maximum)</td>
<td>600 MHz</td>
</tr>
<tr>
<td>Pixel dimensions</td>
<td>0.43 mm</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>178°</td>
</tr>
<tr>
<td>Response time (typical)</td>
<td>8 ms</td>
</tr>
<tr>
<td>Ambient light sensor</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Audio

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 W integrated speakers (×2)</td>
</tr>
</tbody>
</table>

#### Wireless

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>802.11 Wi-Fi a/b/g/n/ac 2.4GHz and 5GHz</td>
</tr>
</tbody>
</table>

---

[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.
<table>
<thead>
<tr>
<th><strong>Included cables and accessories</strong></th>
<th>iQ appliance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Country-specific power cable</td>
</tr>
<tr>
<td></td>
<td>16' 5&quot; (5 m) USB cable</td>
</tr>
<tr>
<td></td>
<td>Wall mount bracket kit</td>
</tr>
<tr>
<td></td>
<td>Pen (×2)</td>
</tr>
<tr>
<td></td>
<td>Antennas (×2)</td>
</tr>
<tr>
<td></td>
<td>IR remote control</td>
</tr>
</tbody>
</table>

**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
- **Supported languages**: Danish, Dutch, English, Finnish, French, German, Italian, Korean, Norwegian, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Ukrainian, Vietnamese

<table>
<thead>
<tr>
<th><strong>Mounting holes</strong></th>
<th>For a standard VESA® 600 mm × 400 mm mounting plate with M8 screws</th>
</tr>
</thead>
</table>

**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)
  - 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)

**IQ appliance (AM40):**
- USB 3.0 Type-A (×2)
- HDMI 1.4 (HDCP-compliant)

---

### Applications

**Interactive display**
- Apps included in the IQ appliance
- 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)

**SMART Notebook® Player mobile app**
- iOS 10 or later operating system software

**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)

---

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

**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 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

**Interactive flat panel and iQ appliance power consumption at 77°F (25°C)**

**Standby mode**
6.5 W

**Normal operating**
244 W

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

**Standby mode**
≤0.3 W
### Specifications

**SMART BOARD MX275 Interactive Display with IQ – Model SBID-MX275**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal operating</td>
<td>238 W</td>
</tr>
<tr>
<td>(out-of-box)</td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>41–95°F (5–35°C)</td>
</tr>
<tr>
<td><strong>Storage temperature</strong></td>
<td>-4–140°F (-20–60°C)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>5–80% relative humidity, non-condensing</td>
</tr>
</tbody>
</table>

**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-MX275**
  - SMART Board MX075 interactive display with IQ and 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-MX275**
  - SBID-MX275 interactive display with IQ one-year warranty extension
- **EWY2-SBID-MX275**
  - SBID-MX275 interactive display with IQ 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, PenID, 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. July 19, 2019.