Specifications

SMART Board® 7086 Pro interactive display with iQ and Intel® Compute Card
Model SBID-7386P

Overview

The SMART Board® 7086 Pro interactive display with iQ and Intel® Compute Card is the hub of your meeting room. PC-free embedded computing provides one-touch access to collaborative tools, including a whiteboard, wireless screen sharing and a web browser. With minimal network integration, there’s no need for wires, cables or manual software and firmware updates.

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.

The 86" 4K ultra-high-definition LED display provides optimal image clarity and wide viewing angles. With the Pen ID™ feature, you can assign different appearances to the four pens and write or draw over any application in digital ink.

Object Awareness™ allows you to perform mouse functions with your finger, write in digital ink with the pen, and erase with your palm or eraser—all without switching tools or modes. You can use a variety of gestures in applications, and four users can write or draw at the same time.

See smarttech.com for more information.

As an ENERGY STAR® certified signage display, the SMART Board 7086 Pro interactive display meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy.
Dimensions and weights

Dimensions

<table>
<thead>
<tr>
<th>Width</th>
<th>74 3/4&quot; (189.9 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>78 3/4&quot; (200.1 cm)</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>96&quot; (243.8 cm)</td>
</tr>
</tbody>
</table>

Weight

205 lb. (91 kg)

Shipping dimensions (including pallet)

86 1/2" × 60" × 14"

(220 cm × 163 cm × 35.5 cm)

Shipping weight

258 lb. (117 kg)

Hardware

Interaction

Touch technology

HyPr Touch™ (Hybrid Precision Touch) proprietary hybrid system, which greatly improves upon its InGlass™ core by optimizing both touch and pen performance, resulting in virtually no lag and zero contact detect height

Multitouch capabilities

Up to 16 simultaneous interaction points (combination of 10 finger touch points, four pen touch points and two eraser touch points)

Object Awareness

Behavior adjusts automatically to the tool or object you’re using, whether it’s a pen, finger, eraser, or palm.

Pen ID

Four people can write independently and simultaneously, using different colored ink.

Display

Type

LED

Aspect ratio

16:9

Optimal resolution

4K UHD (3840 × 2160) at 60 Hz

Horizontal frequency (typical)

135 kHz

Vertical frequency (typical)

60 Hz

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

2 Only up to 10 touch points and no pen or eraser support on Chrome OS™ operating system
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contrast ratio (typical)</td>
<td>5000:1</td>
</tr>
<tr>
<td>Brightness (maximum)</td>
<td>360 cd/m²</td>
</tr>
<tr>
<td>Pixel dimensions</td>
<td>0.429 mm × 0.429 mm</td>
</tr>
<tr>
<td>Gamut</td>
<td>72% of NTSC</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>178°</td>
</tr>
<tr>
<td>Response time (typical)</td>
<td>8 ms</td>
</tr>
<tr>
<td><strong>100BASE-T Ethernet</strong></td>
<td>Two external ports for a four-port Fast Ethernet switched network connecting the interactive display and the iQ appliance to an external network and an external device, such as a computer</td>
</tr>
<tr>
<td>Presence detection</td>
<td>Dual sensors that reduce startup time and power consumption during inactivity</td>
</tr>
<tr>
<td>Audio</td>
<td>10 W integrated speakers (×2)</td>
</tr>
<tr>
<td>Noise level</td>
<td>&lt;30 dBA</td>
</tr>
<tr>
<td><strong>Included cables and accessories</strong></td>
<td>iQ appliance</td>
</tr>
<tr>
<td></td>
<td>Intel Compute Card</td>
</tr>
<tr>
<td></td>
<td>Country-specific power cable</td>
</tr>
<tr>
<td></td>
<td>USB cable</td>
</tr>
<tr>
<td></td>
<td>Pen (×4)</td>
</tr>
<tr>
<td></td>
<td>Eraser</td>
</tr>
<tr>
<td><strong>iQ appliance</strong></td>
<td>IEEE 802.11A/B/G/N/Ac with 2 × 2 MIMO (both 2.4 and 5 GHz bands)</td>
</tr>
<tr>
<td><strong>Bluetooth®</strong></td>
<td>Bluetooth 4.2 dual mode (backwards compatible with Bluetooth 2.1 + EDR)</td>
</tr>
<tr>
<td><strong>Capture options</strong></td>
<td>Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the interactive display’s unique QR code</td>
</tr>
<tr>
<td><strong>Intel Compute Card features</strong></td>
<td>See iQ appliance with Intel Compute Card for SMART Board interactive displays specifications (smarttech.com/kb/171263)</td>
</tr>
</tbody>
</table>
**Supported languages**
- Danish
- Dutch
- English
- Finnish
- French
- German
- Italian
- Korean
- Norwegian
- Portuguese
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese
- Ukrainian
- Vietnamese

**Mounting holes**
For a standard VESA 600 mm × 400 mm mounting plate
Lower mounting holes 17 1/8" (43.4 cm) from the bottom of the interactive display

**Mounting bracket depth**
Minimum depth of 2" (5.1 cm) for all components on the back of the interactive display for airflow

**Connectors**

**Connector panel**
- OPS slot (for the iQ appliance)
- Stereo 3.5 mm out
- S/PDIF out
- "VGA" input connectors
  - Video: VGA in (1080p)
  - Audio: Stereo 3.5 mm in
  - Touch: USB Type-B
- "HDMI 1" input connectors
  - Video/audio: HDMI 2.0 in (4K UHD at 60 Hz)
  - Touch: USB Type-B
- "Display Port" input connectors
  - Video/audio: in (4K UHD at 30 Hz)
  - Touch: USB Type-B
- USB Type-A
- RJ45 (×2)

**Convenience panel**
- "HDMI 2" input connectors
  - Video/audio: HDMI 1.4 in (4K UHD at 30 Hz)
  - Touch: USB Type-B
- USB Type-A (×2)

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3For service use only
### Installation requirements

**Interactive display**  
See the *SMART Board 7000 and 7000 Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171164)

**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)

**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 *SMART Meeting Pro software release notes*

- **4K UHD**  
  - Video card that can support $3840 \times 2160$ resolution at 60 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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General requirements</strong></td>
<td>See SMART Meeting Pro software release notes</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Smaller than 10” × 10” × 2” (25.4 cm × 25.4 cm × 5.1 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Less than 10 lb. (4.5 kg)</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>VESA 75 mm × 75 mm or 100 mm × 100 mm mounting pattern</td>
</tr>
</tbody>
</table>

### 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.

- **Display Port**
  - Display Port 1.2 compliant or better
  - Maximum length: 23’ (7 m)

- **USB 2.0**
  - USB 2.0 certified
  - Hi-Speed (480 Mbps) support
  - Maximum length: 16’ (5 m)

### Important

Using cables that exceed these maximum lengths can produce unexpected results, such as degraded picture quality or USB connectivity. Refer to *Installation best practices for SMART products* (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 display and iQ appliance power consumption at 77°F (25°C)**
  - **Standby mode**: <17 W
  - **Normal operating**: 174 W

- **Standalone interactive display power consumption at 77°F (25°C)**
  - **Standby mode**: <2 W
  - **Normal operating**: 159 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
EU RED and LV Directives, ISED, cUL, FCC, UL, RCM, CITIC, TRA

Environmental compliance
European Union
REACH, RoHS, WEEE, Battery and Packaging
U.S.
CONEG Packaging, California Prop 65

Purchasing information

Order numbers

| SBID-7386P-PENT | Black-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Pentium® N4200 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |
| SBID-7386P-M3  | Black-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Intel Core™ m3-7Y30 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |
| SBID-7386P-I5  | Black-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Intel Core™ i5-7Y57 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |
| SBID-7386P-PENT-W | White-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Pentium® N4200 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |
| SBID-7386P-M3-W | White-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Intel Core™ m3-7Y30 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |
| SBID-7386P-I5-W | White-framed SMART Board 7086 Pro interactive display with iQ, Intel Compute Card (with Intel Core™ i5-7Y57 processor), one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses |

Optional accessories
See smarttech.com/accessories

Warranty
Three-year limited equipment warranty

Extended warranty

| EWY1-SBID-7386P | One-year warranty extension |
| EWY2-SBID-7386P | Two-year warranty extension |