Overview

The SMART Board® 7086 Pro display with iQ and SMART Meeting Pro® 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.

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.

Dimensions and weights

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>74 3/4&quot; (190.9 cm)</td>
<td>201 lb. (91 kg)</td>
</tr>
<tr>
<td>86&quot; (218.4 cm)</td>
<td>Shipping dimensions (including pallet)</td>
</tr>
<tr>
<td>5 5/8&quot; (14.2 cm)</td>
<td>86 1/2&quot; × 60&quot; × 14&quot;</td>
</tr>
<tr>
<td>74 3/4&quot; (190.9 cm)</td>
<td>(220 cm × 163 cm × 35.5 cm)</td>
</tr>
<tr>
<td>78 3/4&quot; (200.1 cm)</td>
<td>Shipping weight</td>
</tr>
<tr>
<td>201 lb. (91 kg)</td>
<td>258 lb. (117 kg)</td>
</tr>
</tbody>
</table>

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.

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

### Interaction

<table>
<thead>
<tr>
<th>Touch technology</th>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multitouch capabilities</td>
<td>Up to 16 simultaneous interaction points (combination of 10 finger touch points, four pen touch points and two eraser touch points)²</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, eraser, or palm.</td>
</tr>
<tr>
<td>Pen ID</td>
<td>Four people can write independently and simultaneously, using different colored ink.</td>
</tr>
</tbody>
</table>

### Display

<table>
<thead>
<tr>
<th>Type</th>
<th>LCD with LED back light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Optimal resolution (HDMI inputs)</td>
<td>4K UHD (3840 × 2160) at 60 Hz</td>
</tr>
<tr>
<td>Horizontal frequency (typical)</td>
<td>135 kHz</td>
</tr>
<tr>
<td>Vertical frequency (typical)</td>
<td>60 Hz</td>
</tr>
<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>Viewing angle</td>
<td>178°</td>
</tr>
<tr>
<td>Response time (typical)</td>
<td>8 ms</td>
</tr>
</tbody>
</table>

### 100BASE-T Ethernet

Two external ports for a four-port Fast Ethernet switched network connecting the interactive display and the OPS module to an external network and an external device, such as a computer

### Wi-Fi

IEEE 802.11A/B/G/N/AC with 2 × 2 MIMO (both 2.4 and 5 GHz bands)

### Bluetooth®

Bluetooth 4.2 dual mode (backwards compatible with Bluetooth 2.1 + EDR)

### Occupancy sensor

Sensor that reduces startup time and power consumption during inactivity

### Audio

10 W integrated speakers (+2)

### Noise level

<32 dBA

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²Only up to 10 touch points and no pen or eraser support on Chrome OS™ operating system
### Included cables and accessories
- Country-specific power cable
- USB cable
- Pen (×4)
- Eraser

### 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

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## iQ technology

### Included apps and features
- Customizable Home screen
- Whiteboard
- Browser
- Screen Share
- File and app libraries
- Annotation layers

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

## Connectors

### Side
- OPS slot (for standard OPS devices)
- HDMI 2.0 out
- USB 2.0 Type-A
- USB 3.0 Type-A
  - "HDMI 1" input connectors
    - Video/audio: HDMI 2.0 in with HDCP 1.4 and HDCP 2.2 support
    - Touch: USB 3.0 Type-B
  - "HDMI 2" input connectors
    - Video/audio: HDMI 2.0 in with HDCP 1.4 and HDCP 2.2 support
    - Touch: USB 3.0 Type-B
SPECIFICATIONS
SMART BOARD 7086 PRO DISPLAY WITH IQ AND SMART MEETING PRO – MODEL SBID-7286P-V2

Bottom

- RJ45 (×2)
- S/PDIF out
- Stereo 3.5 mm out
- "VGA" input connectors
  - Video: VGA in
  - Audio: Stereo 3.5 mm in
- Touch: USB 3.0 Type-B
- AC power in
- AC power out
- RS-232 in
- RS-232 out

Convenience panel

- "HDMI 3" input connectors
  - Video/audio: HDMI 2.0 in with HDCP 1.4 and HDCP 2.2 support
  - Touch: USB 3.0 Type-B
  - USB 3.0 Type-A (×2)

Installation requirements

Interactive display

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

1 IMPORTANT
The display needs an internet connection for downloading and installing important updates. Ask the network administrator to confirm that the network has been correctly configured for the IQ experience. For more information about network configuration, see Connecting a SMART display with the IQ experience to a network.

Room computers and guest laptops

General requirements

See SMART Meeting Pro software release notes

Minimum SMART Product Drivers version

Version 12.13 (download and install separately from SMART Meeting Pro 4.4)

4K UHD

Video card that can support 3840 × 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

General requirements

See SMART Meeting Pro software release notes

Dimensions

Smaller than 10" × 10" × 2" (25.4 cm × 25.4 cm × 5.1 cm)

Weight

Less than 10 lb. (4.5 kg)

Mounting

VESA 75 mm × 75 mm or 100 mm × 100 mm mounting pattern
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 2.0**

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

**USB 3.0**

USB 3.0 certified
SuperSpeed (5 Gbps) support
Maximum length: 9' (3 m)

**NOTES**
- SMART supports only installations that use a 9' (3 m) direct connection or a 16' (5 m) connection that includes an AC-powered active USB extender.
- You might be able to use higher-grade cables that are longer than 9' (3 m). If you have problems with such a cable or an extender of any type, test the connection with a 9' (3 m) or shorter cable before contacting SMART Support.

**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

**Power consumption at 77°F (25°C)**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standby mode</td>
<td>&lt;1 W</td>
</tr>
<tr>
<td>Normal operating</td>
<td>160 W</td>
</tr>
</tbody>
</table>

**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, FCC, cUL, UL, CITIC, EAC, MIC, VCCI, RCM, SIRIM, TRA
## Specifications

**Smart Board 7086 Pro Display with iQ and Smart Meeting Pro – Model SBID-7286P-V2**

<table>
<thead>
<tr>
<th>Regulatory model</th>
<th>ID7086-2</th>
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<tbody>
<tr>
<td>Environmental compliance</td>
<td></td>
</tr>
<tr>
<td>European Union</td>
<td>REACH, RoHS, Battery Directive, Packaging Directive, POP</td>
</tr>
<tr>
<td>U.S.</td>
<td>CONEG Packaging, California Prop 65</td>
</tr>
</tbody>
</table>

### Purchasing information

#### Order number

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
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<tbody>
<tr>
<td>SBID-7286P-V2</td>
<td>SMART Board 7086 Pro display with iQ and SMART Meeting Pro</td>
</tr>
<tr>
<td>SBID-7286P-V2-W</td>
<td>SMART Board 7086 Pro display (white) with iQ and SMART Meeting Pro</td>
</tr>
</tbody>
</table>

#### Optional accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGK-AM50-PRO</td>
<td>AM50 appliance with Intel® Compute Card for SMART Board Pro interactive displays</td>
</tr>
<tr>
<td>UGK-PCM8</td>
<td>PCM8 OPS PC for SMART Board interactive displays</td>
</tr>
<tr>
<td>Other</td>
<td>See smarttech.com/accessories</td>
</tr>
</tbody>
</table>

#### Warranty

<table>
<thead>
<tr>
<th>Warranty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-year limited equipment warranty</td>
<td></td>
</tr>
</tbody>
</table>

#### Extended warranty

<table>
<thead>
<tr>
<th>Warranty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWY1-SBID-7286P</td>
<td>One-year warranty extension</td>
</tr>
<tr>
<td>EWY2-SBID-7286P</td>
<td>Two-year warranty extension</td>
</tr>
</tbody>
</table>