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; (189.9 cm)</td>
<td>201 lb. (91 kg)</td>
</tr>
<tr>
<td>78 3/4&quot; (200.1 cm)</td>
<td>Shipping dimensions (including pallet)</td>
</tr>
<tr>
<td>86 1/2&quot; × 60&quot; × 14&quot; (220 cm × 163 cm × 35.5 cm)</td>
<td>Shipping weight</td>
</tr>
<tr>
<td>258 lb. (117 kg)</td>
<td></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).
SPECIFICATIONS
SMART BOARD 7086 PRO DISPLAY WITH IQ AND SMART MEETING PRO – MODEL SBID-7286P-V2

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**

| Type | LCD with LED back light |
| Aspect ratio | 16:9 |
| Optimal resolution (HDMI inputs) | 4K UHD (3840 × 2160) at 60 Hz |
| Horizontal frequency (typical) | 135 kHz |
| Vertical frequency (typical) | 60 Hz |
| Contrast ratio (typical) | 5000:1 |
| Brightness (maximum) | 360 cd/m² |
| Pixel dimensions | 0.429 mm × 0.429 mm |
| Viewing angle | 178° |
| Response time (typical) | 8 ms |

**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

²Only up to 10 touch points and no pen or eraser support on Chrome OS™ operating system
### Included cables and accessories
- AM50 appliance
- 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

### iQ technology

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

### Supported languages
- Dutch
- English
- French
- German
- Italian
- Korean
- Norwegian
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese
- 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)

**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

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>Maximum length: 23’ (7 m)</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
</table>
| USB 2.0   | USB 2.0 certified  
            Hi-Speed (480 Mbps) support  
            Maximum length: 16’ (5 m) |

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
</table>
| 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 49’ (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.

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**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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power requirements</strong></td>
<td>100V to 240V AC, 50 Hz to 60 Hz</td>
</tr>
</tbody>
</table>
| **Power consumption at 77°F (25°C)**   | 160 W  
            Standby mode: <1 W  
            Normal operating: <2 W with full network capability (wired) |
| **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

<table>
<thead>
<tr>
<th>Certification Type</th>
<th>Certification Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regulatory certification</strong></td>
<td>EU RED and LV Directives, ISED, FCC, cUL, UL, CITIC, EAC, MIC, VCCI, RCM, SIRIM, TRA</td>
</tr>
</tbody>
</table>
### Specifications

**SMART BOARD 7086 PRO DISPLAY WITH IQ AND SMART MEETING PRO – MODEL SBID-7286P-V2**

#### Regulatory model
- ID7086-2

#### Environmental compliance
- U.S.: CONEG Packaging, California Prop 65

### Purchasing information

#### Order number
- **SBID-7286P-V2**: SMART Board 7086 Pro display with IQ and SMART Meeting Pro
- **SBID-7286P-V2-W**: SMART Board 7086 Pro display (white) with IQ and SMART Meeting Pro

#### Optional accessories
- **UGK-AM50-PRO**: AM50 appliance with Intel® Compute Card for SMART Board Pro interactive displays
- **Other**: See smarttech.com/accessories

#### Warranty
- **Three-year limited equipment warranty**

#### Extended warranty
- **EWY1-SBID-7286P**: One-year warranty extension
- **EWY2-SBID-7286P**: Two-year warranty extension