

Preliminary specifications<sup>1</sup>

# SMART Board® 6086S Pro interactive display with iQ

Model SBID-6286S-PW

## Overview

The SMART Board® 6086S Pro interactive display with iQ is the hub of your meeting room.

The 4K Ultra HD LED interactive display provides optimal image clarity and wide viewing angles. SMART's exclusive and proprietary ToolSense™ technology allows a wide range of accessories to interact with applications. Unique Simultaneous Tool Differentiation allows multiple users to write simultaneously with a pen, move objects with a finger, and erase digital ink with a palm—all without switching tools, providing uninterrupted collaboration. The display's advanced HyPr Touch™ with InGlass™ touch technology provides a natural, intuitive writing and touch experience with high accuracy and low latency.

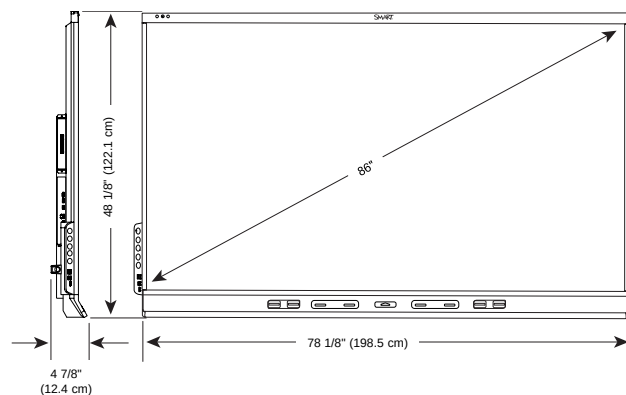
Temperature and humidity sensors help facilities managers plan resources by gaining a better understanding of a room user's environmental preferences. The display's iQ embedded computing experience offers one-touch access to collaboration tools, including a digital whiteboard, a web browser, and wireless screen sharing.

See [smarttech.com](https://smarttech.com) for more information.



## Dimensions and weights<sup>2</sup>

### Dimensions



### Weight

192 lb. (87 kg)

### Shipping dimensions (including pallet)<sup>3</sup>

86" × 57" × 10 3/8"

(218.6 cm × 144.7 cm × 26.4 cm)

### Shipping weight

261 lb. (118.5 kg)

Pending its certification as an ENERGY STAR® certified signage display, the SMART Board 6086S Pro interactive display meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy.

<sup>1</sup>This product is in the final stages of development, and these specifications are subject to change.

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

<sup>3</sup>Product ships upright

## Highlights

|                                |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HyPr Touch with InGlass</b> | HyPr Touch with InGlass advanced optical technology ensures highly accurate writing and drawing                                                                   |
| <b>ToolSense</b>               | ToolSense proprietary tool technology supports virtually unlimited pen and tool recognition                                                                       |
| <b>Environmental sensors</b>   | Integrated temperature and humidity sensors provide real-time measurement of the display's environmental conditions. Data is available via an included SMART app. |
| <b>Ambient light sensor</b>    | Screen automatically dims or brightens, ensuring comfortable viewing in all lighting conditions                                                                   |

## Hardware

### Interaction

|                                   |                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Touch technology                  | HyPr Touch with InGlass                                                                                                      |
| Multitouch capabilities           | Up to 20 simultaneous interaction points <sup>4</sup>                                                                        |
| Object Awareness™                 | Behavior adjusts automatically to the tool or object you're using, whether it's a pen, finger, eraser, or palm               |
| Simultaneous Tool Differentiation | Multiple users can touch the display and use pens and erasers at the same time for a natural, fully collaborative experience |
| Pen ID™                           | Multiple users can write independently and simultaneously, using different colored ink                                       |
| ToolSense                         | Support for virtually unlimited pen and tool recognition                                                                     |
| Silktouch™                        | Ultra-smooth finish that allows you to use the display for hours without finger burn                                         |

### Display

|                                  |                               |
|----------------------------------|-------------------------------|
| Type                             | LCD with LED back light       |
| Aspect ratio                     | 16:9                          |
| Optimal resolution (HDMI inputs) | 4K UHD (3840 × 2160) at 60 Hz |
| Brightness (maximum)             | 350 cd/m <sup>2</sup>         |
| Pixel dimensions                 | 0.429 mm × 0.429 mm           |
| Viewing angle                    | 178°                          |
| Response time                    | 8 ms                          |
| Ambient light sensor             | Yes                           |
| Proximity sensor                 | Yes                           |
| Infrared sensor                  | Yes                           |

<sup>4</sup>Chrome OS™ is limited to 10 simultaneous touches, including gestures. Automatic pen recognition, plus palm, pen, and eraser differentiation are available in supported applications.

|                                        |                                                                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Room temperature and humidity sensors  | Yes                                                                                                                                                                                                                                                                                           |
| <b>100BASE-T Ethernet</b>              | Two external ports for a 4-port Fast Ethernet switched network that connects the interactive display to a network and an external device, such as a computer                                                                                                                                  |
| <b>Wi-Fi</b>                           | IEEE 802.11A/B/G/N/AC with 2 × 2 MIMO (both 2.4 and 5 GHz bands)                                                                                                                                                                                                                              |
| <b>Bluetooth®</b>                      | Bluetooth 4.2 dual mode (backwards compatible with Bluetooth 2.1 + EDR)                                                                                                                                                                                                                       |
| <b>Audio</b>                           | Two 20 W integrated speakers                                                                                                                                                                                                                                                                  |
| <b>Noise level</b>                     | <32 dBA                                                                                                                                                                                                                                                                                       |
| <b>Included cables and accessories</b> | <ul style="list-style-type: none"> <li>1 Country-specific power cable</li> <li>1 USB cable</li> <li>2 Pens (red and black)</li> <li>2 Eraser</li> <li>1 Remote control</li> <li>2 AAA batteries for the remote control</li> <li>1 WM-SBID-200 wall mount</li> </ul>                           |
| <b>Mounting holes</b>                  | For a standard VESA 600 mm × 400 mm mounting plate<br>Lower mounting holes 11" (28 cm) from the bottom of the interactive display                                                                                                                                                             |
| <b>Mounting bracket depth</b>          | Minimum depth of 1 1/2" (3.7 cm) for all components on the back of the interactive display for airflow                                                                                                                                                                                        |
| <b>Accessory holes</b>                 | M4 mounting points located at the top, bottom, left, and right for SMART approved accessories                                                                                                                                                                                                 |
| <b>iQ technology</b>                   |                                                                                                                                                                                                                                                                                               |
| <b>iQ experience</b>                   | iQ experience embedded in the display provides better performance without the need to install a separate appliance                                                                                                                                                                            |
| <b>Included apps and features</b>      | <ul style="list-style-type: none"> <li>Customizable Home screen</li> <li>Whiteboard</li> <li>Browser</li> <li>Screen Share</li> <li>File and app libraries</li> <li>Writing and drawing over any input</li> <li>Freeze screen and screen shade</li> <li>Automatic software updates</li> </ul> |

|                            |                       |
|----------------------------|-----------------------|
| <b>Supported languages</b> | Chinese (simplified)  |
|                            | Chinese (traditional) |
|                            | Danish                |
|                            | Dutch                 |
|                            | English               |
|                            | Finnish               |
|                            | French                |
|                            | German                |
|                            | Italian               |
|                            | Korean                |
|                            | Norwegian             |
|                            | Portuguese            |
|                            | Russian               |
|                            | Spanish               |
|                            | Swedish               |
|                            | Ukrainian             |
|                            | Vietnamese            |

## Software

|                          |                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Included software</b> | iQ Android-based embedded computing                                                                                  |
|                          | SMART Ink® and SMART Product Drivers                                                                                 |
|                          | Subscription to SMART TeamWorks™ Room edition (included with the SMART Pro service plan for the service plan's term) |
|                          | One SMART Meeting Pro® software room license (included with SMART Pro service plan)                                  |
|                          | Subscription to SMART Remote Management for the length of warranty                                                   |

## Connectors



|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Convenience panel</b> | 1 HDMI® 2.0 in with HDCP 1.4 and HDCP 2.2 support |
|                          | 2 USB 3.0 Type-A (for media)                      |
|                          | 1 USB 3.0 Type-B (for touch)                      |

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Connector panel</b> | 1 Accessory slot (for OPS devices)               |
|                        | 1 USB 3.0 Type-A (for media)                     |
|                        | 1 USB 2.0 Type-A (for service use only)          |
|                        | 3 USB 3.0 Type-B (for touch)                     |
|                        | 2 HDMI 2.0 in with HDCP 1.4 and HDCP 2.2 support |
|                        | 1 HDMI 2.0 out                                   |
|                        | 1 VGA in                                         |
|                        | 1 Stereo 3.5 mm in                               |
|                        | 1 Stereo 3.5 mm out                              |
|                        | 1 S/PDIF out                                     |
|                        | 2 RJ45                                           |
|                        | 1 RS-232 in                                      |
|                        | 1 RS-232 out                                     |

|                        |   |              |
|------------------------|---|--------------|
| <b>Back of display</b> | 1 | AC power in  |
|                        | 1 | AC power out |

## Installation requirements

|                            |                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interactive display</b> | See the <i>SMART Board 6000S and 6000S Pro series interactive displays installation and maintenance guide</i> ( <a href="http://smarttech.com/kb/171414">smarttech.com/kb/171414</a> ) |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### IMPORTANT

The display needs an internet connection for downloading and installing important updates. Ask the network administrator to configure the network correctly 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 <a href="#">SMART TeamWorks software release notes</a> or <a href="#">SMART Meeting Pro software release notes</a>                                                 |
| 4K UHD               | Video card that can support 3840 × 2160 resolution at 60 Hz<br>See <a href="#">Minimum requirements for Ultra High Definition or 4K on your interactive flat panel</a> |

## Mini-computers

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| General requirements | See <a href="#">SMART TeamWorks software release notes</a> or <a href="#">SMART Meeting Pro software release notes</a> |
| Dimensions           | Smaller than 4 3/4" × 4 3/4" × 1 1/4" (12 cm × 12 cm × 3.3 cm)                                                         |
| Weight               | Less than 10 lb. (4.5 kg)                                                                                              |
| Mounting             | VESA 75 mm × 75 mm or 100 mm × 100 mm mounting pattern (two mounting points: left and right)                           |

## Cable requirements

|                |                                                                                                                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HDMI</b>    | Maximum length: 23' (7 m)                                                                                                                                                                                                                                                     |
|                | <b>NOTES</b> <ul style="list-style-type: none"> <li>• Use only certified HDMI cables that have been tested to support the performance standard you require.</li> <li>• The performance of cables longer than 23' (7 m) is highly dependent on the cable's quality.</li> </ul> |
| <b>USB 2.0</b> | USB 2.0 certified<br>Hi-Speed (480 Mbps) support<br>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 directly connected video and USB cables, AC-powered extenders, or USB extenders purchased from SMART.
- You might be able to use higher-grade cables that are longer than specified. If you have problems with such a cable or an extender of any type, test the connection with a 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](http://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)**

Standby mode **TBC**

Normal operating **TBC**

**Operating temperature** 41–95°F (5–35°C)

**Storage temperature** -4–140°F (-20–60°C)

**Humidity** 5–80% relative humidity, non-condensing

## Regulatory Certifications (Model ID: IDS686-1)

**U.S. / Canada** FCC, ISED, UL, CONEG Packaging, California Prop 65, Conflict Minerals

**EU / EEA / EFTA** CE, RoHS Directive, Battery Directive, Packaging Directive, WEEE Directive, REACH Regulation, POP Regulation, Radio Equipment Directive, Low Voltage Directive, CB

**EAEU** EAC

**Australia / New Zealand** RCM

## Purchasing information

**Order number**

SBID-6286S-PW SMART Board 6086S Pro interactive display with iQ - white

**Optional accessories**

TS-4PEN-MC ToolSense multicolor 4-pen bundle (orange, purple, green, blue) with magnetic penwell

Other See [smarttech.com/accessories](http://smarttech.com/accessories)

## Warranty information

**SMART Assure warranty** Includes advanced hardware replacement and access to onsite support. Terms and conditions vary by region. Contact your local reseller or distributor for information and visit [smarttech.com/warranty](https://smarttech.com/warranty).

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