

Preliminary specifications¹

SMART Board® 6086S Pro interactive display

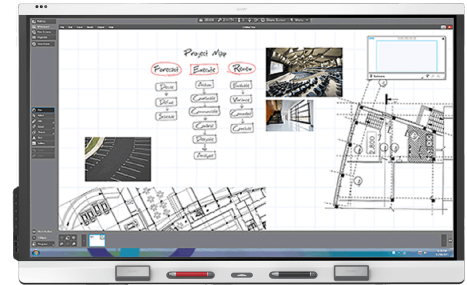
Model SBID-6086S-PW

Overview

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

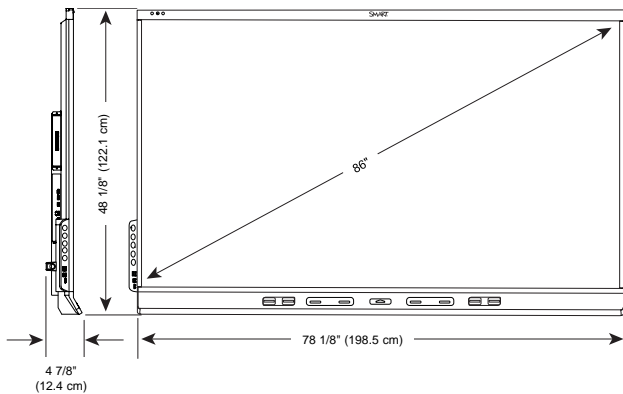
The 4K Ultra HD LED interactive display provides optimal image clarity and wide viewing angles. SMART's exclusive and proprietary ToolSense™ technology allows a wide range of accessories to interact with applications. Unique Simultaneous Tool Differentiation allows multiple users to write simultaneously 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.

See smarttech.com for more information.



Dimensions and weights²

Dimensions



Weight

192 lb. (87 kg)

Shipping dimensions (including pallet)³

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.

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

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

³Product ships upright

Highlights

HyPr Touch with InGlass	HyPr Touch with InGlass advanced optical technology ensures highly accurate writing and drawing
ToolSense	ToolSense proprietary tool technology supports virtually unlimited pen and tool recognition
Ambient light sensor	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 ⁴
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 ²
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

⁴Chrome 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 sensors⁵ Yes

100BASE-T Ethernet 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

Wireless Wi-Fi and Bluetooth® disabled at setup and cannot be reenabled

Audio Two 20 W integrated speakers

Noise level <32 dBA

- Included cables and accessories**
- 1 Country-specific power cable
 - 1 USB cable
 - 2 Pens (red and black)
 - 2 Eraser
 - 1 Remote control
 - 2 AAA batteries for the remote control
 - 1 WM-SBID-200 wall mount

Mounting holes For a standard VESA 600 mm × 400 mm mounting plate
Lower mounting holes 11" (28 cm) from the bottom of the interactive display

Mounting bracket depth Minimum depth of 1 1/2" (3.7 cm) for all components on the back of the interactive display for airflow

Accessory holes M4 mounting points located at the top, bottom, left, and right for SMART approved accessories

Software

Included software 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)

Connectors



- Convenience panel**
- 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)

⁵Temperature and humidity data is not available when iQ features are disabled.

Connector panel	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

Back of display	1	AC power in
	1	AC power out

Installation requirements

Interactive display	See the <i>SMART Board 6000S and 6000S Pro series interactive displays installation and maintenance guide</i> (smarttech.com/kb/171414)
----------------------------	--

Room computers and guest laptops

General requirements	See SMART TeamWorks software release notes or SMART Meeting Pro software release notes
----------------------	--

4K UHD	Video card that can support 3840 × 2160 resolution at 60 Hz See Minimum requirements for Ultra High Definition or 4K on your interactive flat panel
--------	--

Mini-computers

General requirements	See SMART TeamWorks software release notes or SMART Meeting Pro software release notes
----------------------	--

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

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 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) 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-6086S-PW SMART Board 6086S Pro interactive display - white

Optional accessories See [smarttech.com/accessories](https://www.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://www.smarttech.com/warranty).

[smarttech.com/support](https://www.smarttech.com/support)
[smarttech.com/contactsupport](https://www.smarttech.com/contactsupport)

© 2020 SMART Technologies ULC. All rights reserved. SMART Board, SMART Ink, SMART TeamWorks, SMART Meeting Pro, Pen ID, HyPr Touch, Object Awareness, Silktouch, ToolSense, 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. The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. 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. April 14, 2020.