Was this document helpful?
smarttech.com/docfeedback/171543

Specifications

SMART Board® 7086R Pro interactive display with iQ

Model SBID-7286R-P

Overview



The SMART Board® 7086R Pro interactive display with iQ is the hub of your meeting room.

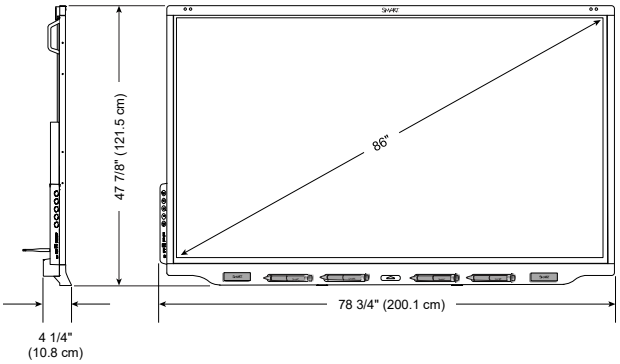
The 4K ultra-high-definition LED display provides optimal image clarity and wide viewing angles. The display's HyPr Touch™ with EMR technology provides industry-leading touch and digital ink performance. You can interact with applications through touch, write or draw over any application with the four pens, and erase with your palm or the two erasers—all without switching tools or modes. With the new True Palm Rejection feature, you can even rest your palm on the screen while writing or drawing. The Pen ID™ feature allows you to assign different appearances to the pens, and multiple users can write or draw at the same time.

The display's embedded iQ experience 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, PCs, appliances, or manual software and firmware updates.

See smarttech.com for more information.

Dimensions and weights[1]

Dimensions



Weight

168 lb. (76 kg)

Shipping dimensions (including pallet)[2]

85" × 54 1/2" × 11"
(216.2 cm × 138.6 cm × 28 cm)

Shipping weight

214 lb. (97 kg)

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

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

[2]Product ships upright.

Highlights

HyPr Touch with EMR	Electromagnetic resonance (EMR) technology provides industry-leading performance with absolutely zero contact detect height and support for over 1,000 levels of pressure by the pens, resulting in an intuitive, pen-on-paper feel
True Palm Rejection	Palms, wrists, hands, and other objects are ignored while users write or draw so that they can focus on collaboration instead of how they hold the pens
USB Type-C input	Support for modern devices, with a single connection for touch, video, and audio
Ambient light sensor	Screen automatically dims or brightens, ensuring comfort when viewing content in any lighting condition

Hardware

Interaction

Touch technology	HyPr Touch with EMR
Multitouch capabilities	Up to 20 finger touch points, four pen touch points and two eraser touch points[3]
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	Four people can write independently and simultaneously, using different colored ink
Silktouch™	Ultra-smooth finish that allows you to use the display for hours without finger burn
True Palm Rejection	Palms, wrists, hands, and other objects are ignored while users write or draw
Pressure sensitivity	Detection of over 1,000 levels of pressure by the pens

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
Brightness (maximum)	350 cd/m^2

[3]Chrome OS™ is limited to 10 simultaneous touches, including gestures. Automatic pen recognition, plus palm, pen, and eraser differentiation are available in supported applications.

Pixel dimensions	0.4935 mm × 0.4935 mm
Viewing angle	178°
Response time (typical)	8 ms
1000BASE-T Ethernet	Two external ports for a Gigabit 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)
Sensors	2 Proximity 1 Ambient light 1 IR (for remote control)
Audio	15 W downward-facing integrated speakers (×2)
Noise level	<38 dBA
Included cables and accessories	1 Country-specific power cable 1 USB 2.0 cable 4 Pens 2 Erasers 1 Remote control 1 WM-SBID-200 wall mount
Mounting holes	For a standard VESA 800 mm × 600 mm mounting plate Lower mounting holes 12 1/8" (30.7 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 experience

iQ experience	iQ experience embedded in the display provides better performance without the need to install a separate appliance
Included apps and features	Customizable Home screen Whiteboard Browser Screen Share File and app libraries Writing and drawing over any input Freeze screen and screen shade Automatic software updates

Supported languages

Chinese (simplified)
Chinese (traditional)
Czech
Danish
Dutch
English
Estonian
Finnish
French
German
Greek
Hungarian
Italian
Japanese
Korean
Latvian
Lithuanian
Norwegian
Polish
Portuguese
Romanian
Russian
Slovak
Slovenian
Spanish
Swedish
Ukrainian
Vietnamese
Welsh

Software

Included software

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)
Ten SMART Meeting Pro software Personal licenses (included with SMART Pro service plan)
Subscription to SMART Remote Management for the length of warranty

Connectors

Convenience panel

2	USB 3.0 Type-A (for media)
1	USB 3.0 Type-B (for touch)
1	USB Type-C
1	HDMI® 2.0 in with HDCP 1.4 and HDCP 2.2 support

Connector panel	1	Accessory slot (for OPS devices, such as the optional SMART PCM8 OPS PC)
	3	USB 3.0 Type-A (for media)
	1	USB 2.0 Type-A (for service use only)
	2	USB 3.0 Type-B (for touch)
	3	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 *SMART Board 7000R and 7000R Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171538)

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 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 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** • A certified Premium High Speed HDMI Cable is required for a display resolution of 3840 × 2160 at more than 30 Hz (such as 50 or 60 Hz). • 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.

USB Type-C	USB 3.1 certified
	SuperSpeed (5 Gbps) support
	Maximum length: 6' (2 m)
	NOTES
	• To use a USB Type-C cable for video, you need:
	  ◦ A full-featured cable that supports USB 3.1 (Gen 1 or Gen 2)
	  ◦ A computer that supports Display Port Alternate Mode
	• Passive USB Type-C cables are sufficient for 60 W charging.
	• 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	<0.5 W

Normal operating	169 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 (partial)[4]

U.S. / Canada	UL, FCC, ISED, CONEG Packaging, Proposition 65
EU / EEA / EFTA / UK	CE, UKCA, LVD, CB, EMCD, RED, REACH, RoHS, Battery, WEEE, Packaging, POP, Ecodesign
Australia / New Zealand	RCM
Performance standards	ENERGY STAR®, HDMI, USB

Purchasing information

Order number	
SBID-7286R-P	SMART Board 7086R Pro interactive display with iQ
SBID-7286R-PW	SMART Board 7086R Pro interactive display with iQ – White
Optional accessories	See 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.

smarttech.com/support
smarttech.com/contactsupport

© 2021 SMART Technologies ULC. All rights reserved. SMART Board, SMART TeamWorks, SMART Meeting Pro, Pen ID, HyPr Touch, Object Awareness, Silktouch, 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 Bluetooth word mark is owned by the Bluetooth SIG, Inc. and any use of such marks by SMART Technologies ULC is under license. 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. February 4, 2021.

[4]Product availability may vary by region.