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Specifications

SMART Board® 7086 Pro interactive display

Model SBID-7086P

Overview



The SMART Board® 7086 Pro interactive display combines a premium touch experience with the power of SMART Meeting Pro® software.

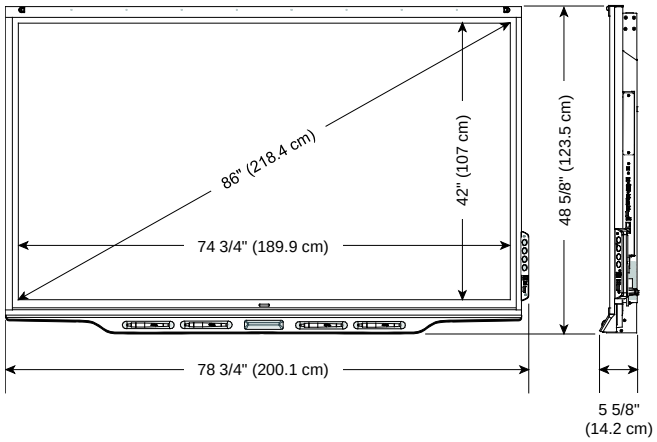
The 86" 4K ultra-high-definition LED display provides optimal image clarity and wide viewing angles. With the Pen ID™ feature, you can assign different appearances to the four pens and write or draw over any application in digital ink.

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[1]

Dimensions



Weight

205 lb. (91 kg)

Shipping dimensions (including pallet)

86 1/2" × 60" × 14"
(220 cm × 163 cm × 35.5 cm)

Shipping weight

258 lb. (117 kg)

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

Hardware

Interaction

Touch technology	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
Multitouch capabilities	Up to 10 simultaneous touch, writing and erase points[2]
Object Awareness	Behavior adjusts automatically to the tool or object you're using, whether it's a pen, finger, eraser or palm.
Pen ID	Four people can write independently and simultaneously, using different colored ink.

Display

Type	LED
Aspect ratio	16:9
Optimal resolution	3840 × 2160 at 60 Hz
Horizontal frequency (typical)	135 kHz
Vertical frequency (typical)	60 Hz
Contrast ratio (typical)	5000:1
Brightness (maximum)	360 cd/m^2
Pixel dimensions	0.429 mm × 0.429 mm
Gamut	72% of NTSC
Viewing angle	178°
Response time (typical)	8 ms

1000BASE-T Ethernet	Two external ports for a four-port Gigabit Ethernet switched network connecting the interactive display and the OPS module to an external network and an external device, such as a computer
Presence detection	Dual sensors that reduce startup time and power consumption during inactivity
Audio	10 W integrated speakers (×2)
Noise level	<30 dBA
Included cables and accessories	Country-specific power cable USB cable Pen (×4) Eraser

[2]Requires SMART Product Drivers to be installed. Some applications might not support all touch points.

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

Connectors

Connector panel	OPS slot Stereo 3.5 mm out S/PDIF out VGA input connectors VGA in Stereo 3.5 mm in USB Type-B HDMI 1 input connectors HDMI 2.0 in USB Type-B Display Port input connectors DisplayPort in USB Type-B USB Type-A[3] RJ45 (×2)
Convenience panel	HDMI 2 input connectors HDMI 1.4 in USB Type-B USB Type-A (×2)
Bottom	AC power in AC power out RS-232 in RS-232 out
HDCP support	Version 1.4/2.2

Installation requirements

Interactive display	See the *SMART Board 7000 and 7000 Pro series interactive displays installation and maintenance guide* (smarttech.com/kb/171164)
Room computers and guest laptops	
General requirements	See SMART Meeting Pro software release notes
4K UHD	Graphics 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

[3]For service use only

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.
DisplayPort	DisplayPort 1.2 compliant or better Maximum length: 23' (7 m)
USB	Maximum length: 16' (5 m)
Important	Using cables that exceed these maximum lengths can produce unexpected results, such as degraded picture quality or USB connectivity. Refer to *SMART installation standards* (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	<2 W
Normal operating (out-of-box)	172 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

Regulatory certification	EU RED and LV Directives, ISED, cUL, FCC, UL, RCM, CITIC, TRA

Environmental compliance

European Union	REACH, RoHS, WEEE, Battery and Packaging
U.S.	CONEG Packaging, California Prop 65

Purchasing information

Order number

SBID-7086P	SMART Board 7086 Pro interactive display with one SMART Meeting Pro software room license and 10 SMART Meeting Pro software personal licenses

Optional accessories

UGK-AM40-ENT	iQ appliance for SMART Board 6000 and 7000 series interactive displays
WM-SBID-501	Fixed wall mount for SMART Board interactive displays
Other	See smarttech.com/accessories

Warranty	Three-year limited equipment warranty

Extended warranty

EWY1-SBID-7086P	One-year warranty extension
EWY2-SBID-7086P	Two-year warranty extension

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