

SMARTBOARD 86"

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Android
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The JOI Smartboard is an innovative interactive display designed for enhanced collaboration and productivity, making it an ideal choice for modern classrooms and business environments. Featuring a high-resolution touchscreen with precise touch responsiveness, it supports multi-touch inputs, allowing seamless interaction for multiple users simultaneously. Integrated with advanced screen-sharing capabilities, the Smartboard ensures smooth connectivity with various devices, promoting a more engaging and interactive experience. Its user-friendly interface, combined with robust software support for annotation and content sharing, simplifies lesson delivery or presentations. With durable build quality and compatibility with diverse educational and office tools, the JOI Smartboard offers a versatile and cost-effective solution for interactive learning and teamwork.

Highlights



Feature-rich Writing Software

- Support accurate erasing, palm rejection and split screen writing
- Support image or video file insertion
- Ability to draw and erase
- Move freely image or object on the board



High-precision IR Touch

- Touchscreen-based interactive whiteboard surface
- Support maximum of 40-point touch, with the writing precision reaching $\pm 1\text{mm}$ and writing height as low as 2mm
- Enables better interaction between teacher and students
- Allow multiple users to write on the whiteboard at the same time



Productivity At Its Best

- Pre-installed with Android apps: Browser, Cloud Save, Finder, Keeper, Note, Screen Lock, Visualizer & WPS Office
- Sidebar widgets with rich tools available in any source, including timer, counter, spot light and etc



Zero Bonding Technology

- Reduce the air clearance between the LCD and the tempered glass to decrease the air refraction
- Its optical parallax can significantly improve the touch and writing experience



Smart Design

- Front physical buttons, easy to turn on/off, set up and switch
- Anti-collision front USB ports, accessible to PC and Android sources
- Curved edge design, more secure



Wireless Screen-share

- Support screencasting in 4-split-screen for 4 devices concurrently
- Support wireless annotation onto any users devices
- Implement screen mirroring to the large screen while images can be saved



Element Microphone Array

- Up to 8-meetrs pickup distance
- Support noise reduction
- Remove external noises effectively
- Enhances speaker's voice so that content delivered can be more clearly expressed



Seamless Learning Sessions

- Ability to conduct micro lecture
- Ability to edit and prepare sessions
- Touching, writing and snapping screenshots at any channel seamlessly



Multi OS & Multi Module

- Built-in Android system
- Pluggable PC module
- Detachable Wi-Fi Module
- Quick switch between system



Stunning Visuals

- 4K UHD resolution
- Anti-glare glass, 4mm protection glass with hardness of 7 on the Mohs scale



Specifications

Panel

LCD Size Diagonal	85.60"
Panel Type	IPS Ultra HD
Backlight Type	D-LED
Panel Resolution	3840*2160 (pixels)
Screen Orientation	Landscape
Brightness (typ)/(min)	400cd/m ² (typ.)
Contrast Ratio (typ)	1200:1 (typ.)
Response Time (ms)	8ms (typ.)
Pixel Pitch	0.4935mm*0.4935mm
Aspect Ratio	16:09
Frame Rate	60Hz
View Angle	178°(H) / 178°(V)
Life Time	30,000 hrs (min.)
View Area	1895.04mm*1065.96mm
Display Colors	1.07B(10bit)

Touch System

Touch technology	Advanced Infra-red
Glass	Anti-glare
Touch Precision	32767*32767
Number of Touch Points (standard)	20 Points
Tempered Glass	4mm Toughened Glass 4mm MoHS7
Anti-glare AG	High Transparent+ Smoother
Glass Transmission	>92%
Frame Material	Aluminum/Plastic
Minimum Touch Object	Single touch 1.6mm Multiple touch 3mm
Touch Accuracy	±1mm (middle Over 90% area)
Response Time	<10ms
Touch Height	Average 2mm, Lowest 1.2mm
Driver	Plug and Play
Touch Tool	Finger/touch pen/other solid (soft tip) object
Theory Clicks	Unlimited
Light Resistance	Available

Touch Frame Electrical Characteristics

Connect type	Male USB2.0
Communication type	USB2.0 Full speed
Power supply	USB power
Voltage	DC+5V±5
Static Level	EN 6100-4-2 2008: 3 Level, Air discharge 8KV

Support Operating System

Built-in system	Android
OPS system OPS	Windows 7/8/10

Mother Board

Solution	MSD6A848 K8A
Core	Quad Core
CPU	ARM Cortex A73+A53, 1.5Ghz
GPU	MaliG51
RAM/ROM	3GB/32G
Wi-Fi	802.11 a/b/g/n Dual Band 2.4G and 5GHz Dual Wi-Fi Module own Wi-Fi and Hotspot
OS	Android 13.0

Compatible System

Compatible system	Windows 7/8/10, XP, Linux, MAC OS, Android
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Special Features

Versatile Annotate	Yes (all pages)
Tuio (Screenshot)	Yes
Gesture Eraser	Yes
Smart Writing App	Yes
File Manager	Yes
Vote	Yes
Welcome page	Yes
Miracast both for Android and iPhone,MAC,Windows	Yes
Surround the stereo sound	Yes
Support HTML 5 Browser HTML 5	Yes
Support Local/Online Video	1080P/3840*2160
Support Local/Online Music	Yes

Language

OSD Standard	English / Chinese
OSD Optional	Other 20 languages

Front Frame Port

Public-USB (Android&Windows)	*2
HDMI IN 2.0	*1
Touch-USB	*1

Side Port (Android)

HDMI OUT	*1
SPDIF OUT	*1
Touch-USB	*1
Android-USB 1	*1
Android-USB 2	*1
DP IN	*1
HDMI IN 2.0	*2

Specifications

Down Side Port

LAN IN/OUT	*1
LAN IN/OUT	*1
RS232 IN	*1
YPbPr	*1
AV IN	*1
AV OUT	*1
Audio OUT	*1
PC-Audio	*1
VGA	*1
TV Tuner (Optional)	*1

Power

Voltage	100 V ~ 240 V/AC, 50/60 Hz
Maximum (Watt)(Exclude OPS)	440W
Standby (Watt)	<0.5W
OPS Power OPS	19V(DC)/5A
Power(AC) Input AC	*1

Speaker

Audio Out Power	15W*2 8
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Environment

Working Temperature	0°C ~ 40°C
Storage Temperature	Minus 10°C ~ 60°C
Working Humidity	20% ~ 80% RH Non-Condensing
Storage Humidity	10% ~ 60% RH Non-Condensing
Image mode	Standard/Soft/Users/Bright
MAX working time (Hour/Day)	18/7

Structure

Product Size (mm) (W x D x H)	1991.57*113*1182.61mm
Package Size (mm) (W x D x H)	2140*280*1340mm
N.W	77Kg±1.5Kg
G.W	100Kg±1.5Kg
Case Material	Aluminum/Sheet Metal
Housing color	Black
Four even bezel (T/B/L/R)	28\28\28\48mm
VESA	4-M8 Screw hole 800mm*600mm

Accessories

Remote Control	*1
Power Cord (3M)	*1
USB Cable (3M) USB	*1
HDMI Cable (3M) HDMI	*1
Touch Pen	*1
Qualified Lable	*1
User Manual	*1
Warranty Card	*1
Wall Mount	*1
Removable Base Stand(Optional)	*1

Built-in Microphones 8x built in beamforming microphones coverage up to 8 meters

Built-in Camera 13 Megapixels

Viewing Angle 78°

Optional Peripheral



Specification subject to change