

T-Smart Board

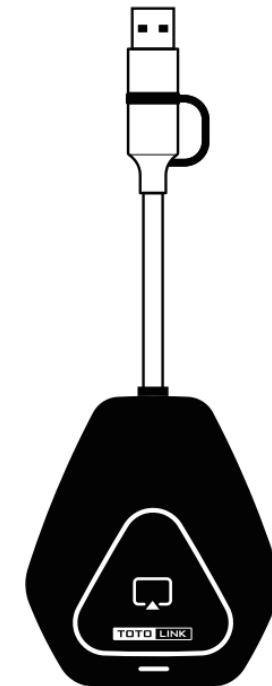
Model No.: TSB-86

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Appearance



Overview

TSB-86 is an 86-inch high-definition display with multi-touch and multimedia functions. It is suitable for a variety of scenarios such as education, conferences, and business. The powerful multi-core processor and high-speed memory ensure a smooth operating experience. It adopts fully tempered explosion-proof glass and anti-glare design, taking into account durability and visual comfort, and is an ideal choice for modern smart office and teaching.

Ultra-clear 4K display, excellent visual experience

86-inch large screen (16:9 ratio), LED backlit LCD panel, resolution of 3840×2160 (4K), the picture is delicate and realistic.

High brightness (400cd/m²) & high contrast (5000:1)

Users can enjoy vivid colors and clear details when viewing the screen

178° wide viewing angle and 4mm fully tempered explosion-proof glass

Ensure that there is no color cast when viewing from different angles. 4mm explosion-proof glass is scratch-resistant and wear-resistant, supports anti-glare, and reduces ambient light interference

40-point infrared touch, precise and sensitive

Infrared sensing technology, supports 40-point touch, response speed up to 120 points/second, smooth operation without delay. Touch accuracy $\pm 2\text{mm}$, recognize fingers, stylus (diameter $\geq 5\text{mm}$), more accurate writing and drawing. Multi-function gesture support: zoom, rotate, drag, etc., to improve interaction efficiency.

Powerful octa-core processor CPU Option A

Octa-core processor (A55 architecture, 1.2GHz) + MaliG52 GPU, easy to handle multi-tasking

A cluster of 4-core Cortex-A73 and 2-core Cortex-A53 CPUs CPU Option B

Featuring a CPU cluster with four Cortex-A73 and four Cortex-A53 cores, it can easily handle multitasking and run complex applications. It also boasts a powerful GPU that supports various graphics processing and rendering tasks, delivering a smooth and high-quality visual experience to users.

Dual 15W speakers

The sound quality is clear, meeting the needs of conferences, teaching and other scenarios.

Intelligent functions to improve efficiency

Wireless screen projection: supports one-click mirroring display on mobile phones/computers.

One-click screen recording: quickly save meeting or teaching content.

Energy-saving mode: standby power consumption $\leq 0.5W$, environmentally friendly and power-saving

Features

- Supports full touch control for channel switching, touch menus, touch menu operations, touch volume adjustment, and touch brightness adjustment.
- Supports one-key power-saving mode.
- Supports independent listening mode (i.e., the screen remains off while audio and video playback is normal during all-in-one operation).
- Supports wireless screen mirroring from mobile phones.
- Supports one-key screen recording.
- Supports one-key power-off via touch menu.
- Supports connecting to a computer via the front USB 3.0 port.
- Supports external devices using the built-in touch box function.
- Supports network following function.
- Supports importing signal sources, videos, browsers, file managers, images, PPTs, etc., into the whiteboard.

Interactive functional parameters

CPU Option A		CPU Option B
CPU	Octa-core A55 1.2Ghz	Quad core ARM Cortex-A73 2.2Ghz + Quad core ARM Cortex-A53 2.0Ghz CPU
GPU	MaliG52 MC2_600MHz	ARM Mali-G52 MP8（8EE）
RAM/ROM	8GByte/ 128GByte	
Wireless	Wi-Fi 6（2.4GHz +5GHz ）+BT5.0	
Horn specifications	15W/8 ohms x 2 speakers	
System version	Android 14	Android 13
Interface	RS232 port: 1 set PC TOUCH 2.0 port: 1 set	
	HDMI input port: 1 set HDMI output port: 1 set	
	RJ45 input port: 1 set USB 2.0 ports: 2 sets	
	TF Card port: 1 set Coaxial port: 1 set	
	Analog mic port: 1 set Line Out port: 1 set	
Front terminal input	Front interface: USB * 2 (full channel) type-c*1、HDMI IN*1、TOUCH*1 Front one button: power on/off	

Display parameters

Display Size	86 inches (16:9)
panel type	LED LCD display screen
Screen display size	1895 * 1065.9mm [HxV]
physical resolution	3840（H）×2160（V）
Display Color	10bit, 1.07B
refresh rate	4K-60HZ
brightness	≤400cd/m2
contrast ratio	5000: 1
Perspective (degree)	178°
Display screen protection	4mm fully tempered high explosion-proof anti glare glass
Backlight lifespan	50000 hours

Touch parameters

Touch embedding method	Built in integrated, non external, front detachable design
Touch sensing technology	Infrared induction recognition touch technology (40 points)
writing style	Fingers, touch pens or other non transparent objects with a diameter of not less than 5mm (multi-point 8mm)
Cursor speed	120 points/s
positioning accuracy	More than 90% of the touch area is ± 2 mm
communication interface	B-type USB male connector
Touch resolution	32767*32767
Touch frequency	Theoretical Infinite Times
Computer response	Automatic recognition by the system; ≤ 15 ms
driver	Drive free
Touch function	Support 40 Point computer touch operation Support image enlargement, reduction, and rotation

Whole machine characteristics

Shell and appearance	Aluminum profile frame zero sticker design, front buttons, front ports, front speakers
color	steel gray
outline dimension	1951.3*1159.5*89.5mm
Package size	2068*245*1288mm
net weight	72KG
gross weight	83KG
Maximum power consumption rate	≤285W
standby power	≤0.5W
Installation method	Standard wall bracket (mobile bracket optional)

Working environment

workplace	indoor
operation temperature	0° C - 40° C
Working humidity	10% -90% non condensing
Storage temperature	-20° C - 60° C
Storage humidity	10% -90% non condensing

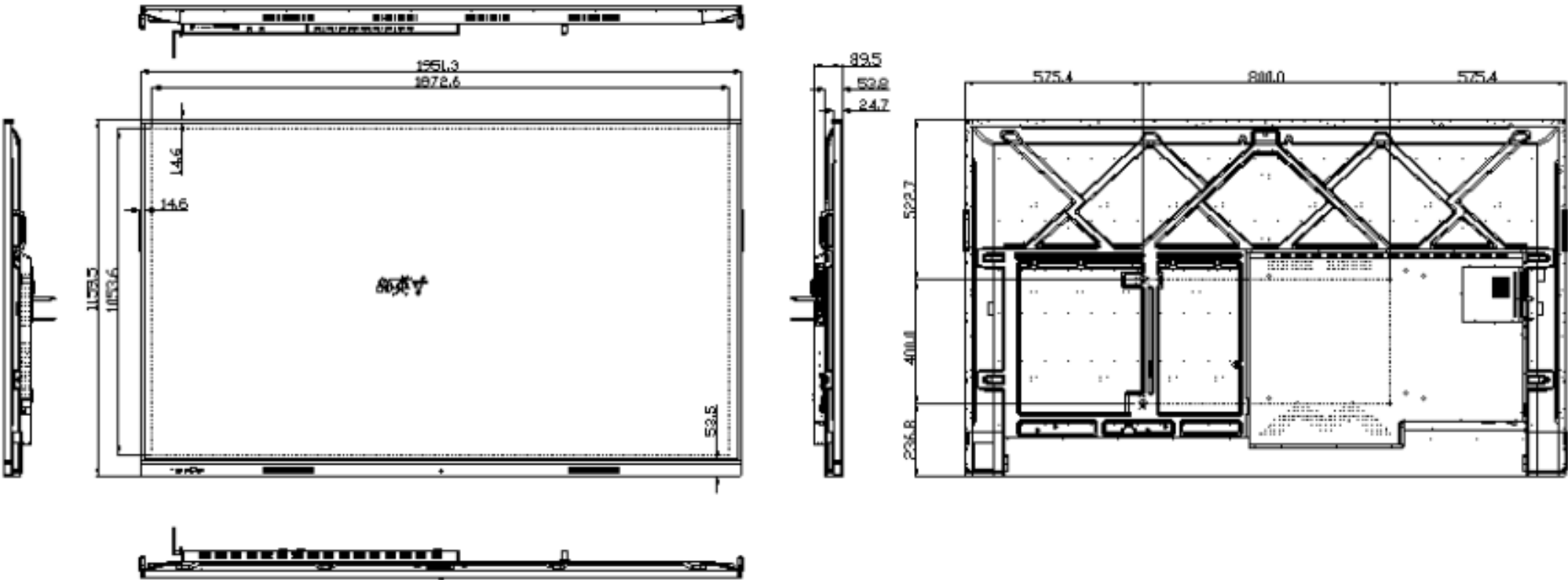
Product Certification

Safety and Regulation	CE,CB,FCC
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Standard random attachments (with attachments according to actual situations)

name	quantity
remote control	1 piece
battery	2 of them
Repair card	1 sheet
Touch Pen	1 unit
certificate of conformity	1 sheet
instructions	1 book
1.5-meter power cord	1 piece

Unit of overall dimension drawing: mm



Product physical picture

