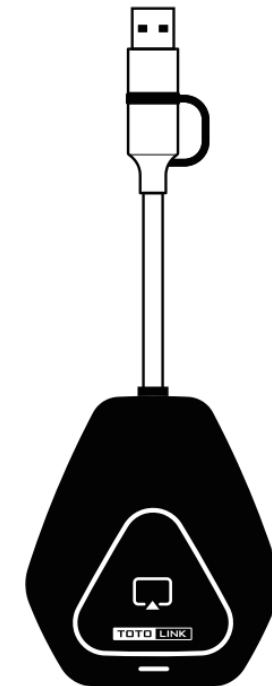# T-Smart Board
Model No.: TSB-86

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TOTO LINK

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 (450cd/m²) & high contrast (5000:1)

Users and 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. 4nm explosion-proof glass is scratch-resistant and wear-resistant, supports anti-glare, and reduces ambient light interference

40-point infrared touch, precise and sensitive

Employing infrared sensing technology, it supports 40-point touch control with a minimum touch response time of 5ms, ensuring smooth and lag-free operation. Touch accuracy is ±1mm, and it can recognize fingers and styluses (diameter ≥5mm), making writing and drawing more precise. It supports various gesture operations such as zooming, rotating, and dragging, improving interaction efficiency.

A cluster of 4-core Cortex-A76 and 2-core Cortex-A55 CPUs

Featuring a CPU cluster with four Cortex-A76 and four Cortex-A55 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 20W 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 ≤0.5W, environmentally friendly and power-saving

Features

- Support full channel switching touch, touch menu, touch menu operation, touch volume adjustment, touch brightness adjustment

- Support one touch energy-saving

- Support individual listening [i.e. the screen is not lit while the all-in-one device is in working mode, and audio and video can be played normally]

- Support wireless screen mirroring on mobile phones

- Support one click screen recording function

- Support touch menu one click shutdown

- Support USB 3.0 socket for front facing computers

- Support transferring external devices to use the machine's built-in touch box function

- Support network following function

- Support inserting signal sources, videos, browsers, file management, images, and PPTs into whiteboards.

Interactive functional parameters

CPU	**Quad-core A76 + Quad-core A55 CPU**
GPU	Mali-G610 MC4 GP
RAM/ROM	8GByte/ 128GByte
Wireless	Wi-Fi 6（2.4GHz +5GHz ）+BT5.0
Horn specifications	20W/8 ohms x 2 speakers
System version	Android 15
Interface	LINE OUT: 1 set RJ45 port: 2 set
	PC AUDIO IN port: 1 set VGA port: 1 set
	USB 2.0 ports: 2 sets SPDIF Port：1 set RS232 port：1 set Touch OUT 2set （USB3.0）
	HDMI in：3 set HDMI out：1 set DP：1set
	USB 3.0 2 set
Front terminal input	Front interface: USB 3.0* 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	≤450cd/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 $\pm$ 1mm
communication interface	B-type USB male connector
Touch resolution	32767*32767
Touch frequency	Theoretical Infinite Times
Computer response	Automatic recognition by the system; ≤15ms
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

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

Product Certification

Safety and Regulation	CE,CB,FCC

Unit of overall dimension drawing: mm
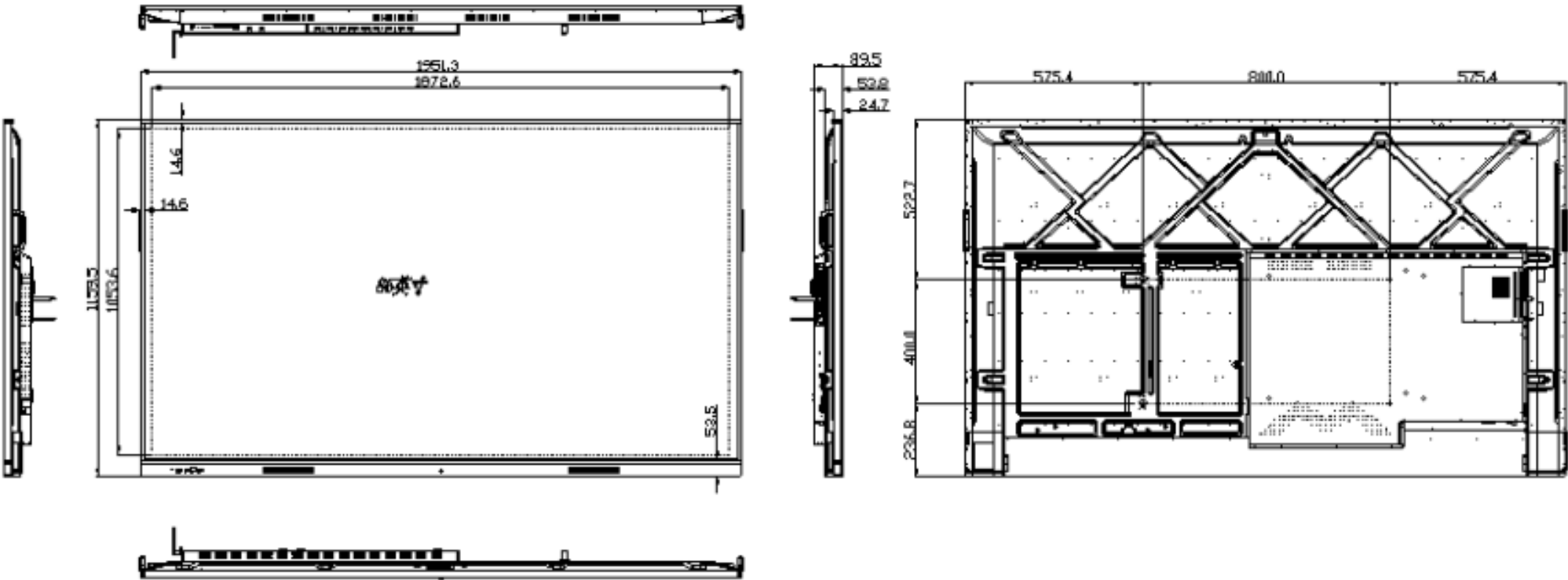
Product physical picture

One click power on/off/status indicator light

Remote Control Reception

data transmission

HD input

Touch output

USB