

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

Web site [www.totolink.net](http://www.totolink.net) | S158, 31F, A-Dong, 323, Incheon tower-daero, Yeonsu-gu, Incheon, Republic of Korea

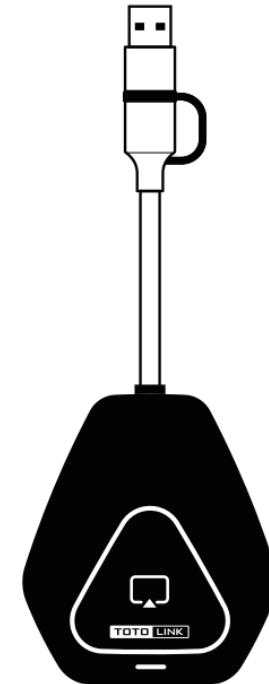


Office Address: S158, 31F, A-Dong, 323, Incheon tower-daero, Yeonsu-gu, Incheon, Republic of Korea



Factory Address: 2A VSIP II-A No 22 Road, Vietnam - Singapore Industrial Park II-A, Vinh Tan Ward, Ho Chi Minh City, Vietnam.

## 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  $3840 \times 2160$  (4K), the picture is delicate and realistic.

- **High brightness (450cd/m<sup>2</sup>) & 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. 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**

It employs infrared sensing technology, supports 40-point touch, and boasts a minimum touch response time of only 5 milliseconds, ensuring smooth and lag-free operation. With a touch accuracy of  $\pm 1$  mm, it can recognize fingers and styluses ( $\geq 5$  mm in diameter), making writing and drawing more precise.

It also supports various gesture operations such as zooming, rotating, and dragging, enhancing 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.

Equipped with 8-Array microphones with noise cancellation, up to 10 meter far-field sound pickup, and voice enhancement to ensure everyone is clearly heard.

- **AI Camera**

48MP 120° wide-angled and integrated with many AI features such as speaker tracking, sound source localization, gesture recognition and noise reduction to optimize video experience.

- **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

- Support full channel switching touch, touch menu, touch menu operation, touch volume adjustment, touch brightness adjustment.
- Support one touch energy-saving.
- Supports personal listening mode (meaning the screen is off while working, but audio and video can still play 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.
- Supports Windows, Linux, Chromium OS, Mac OS, Chrome OS, Android and other operating systems.

## Interactive functional parameters

<b>CPU</b>	Quad-core A76 + Quad-core A55 CPU
<b>GPU</b>	Mali-G610 MC4 GP
<b>RAM/ROM</b>	8GByte/ 128GByte
<b>Wireless</b>	Wi-Fi 6 (2.4GHz +5GHz ) +BT5.0
<b>Horn specifications</b>	20W/8 ohms x 2 speakers
<b>System version</b>	Android 15(Google EDLA Certified)
<b>Interface</b>	LINE OUT: 1 set RJ45 port: 2 set
	PC AUDIO IN port: 1 set MIC : 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
<b>Front terminal input</b>	Front interface: USB 3.0* 2 (full channel) type-c*1、 HDMI IN*1、 TOUCH*1 Front one button: power on/off

## OPS Specification

OPS External Host Specifications (Option)			
<b>processor:</b>	8th generation Intel Core i5 processor	6th generation Intel Core i5 processor	Fourth generation Intel Core i5 processor
<b>Graphics card:</b>	Intel HD Graphics		
<b>Memory</b>	8GB DDR3L	8GB DDR3L	8GB DDR3L
<b>storage</b>	512GB SSD (256GB and 1TB options available)	256GB SSD (512GB and 1TB are available.)	256GB SSD (512GB and 1TB are available.)
<b>IO interface</b>	Output: 1 HDMI port, 1 VGA port, 1 LINE headset port		
	Input: 4 USB 2.0 ports, 1 RJ45 network port, 1 microphone mic, and Wi-Fi support.		
<b>Operating system</b>	Win11/10,linux	Win10, linux	Win10, linux

## 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

<b>Touch embedding method</b>	Built in integrated, non external, front detachable design
<b>Touch sensing technology</b>	Infrared induction recognition touch technology (40 points)
<b>writing style</b>	Fingers, touch pens or other non transparent objects with a diameter of not less than 5mm (multi-point 8mm)
<b>Cursor speed</b>	120 points/s
<b>positioning accuracy</b>	More than 90% of the touch area is $\pm 1$ mm
<b>communication interface</b>	B-type USB male connector
<b>Touch resolution</b>	32767*32767
<b>Touch frequency</b>	Theoretical Infinite Times
<b>Computer response</b>	Automatic recognition by the system; $\leq 15$ ms
<b>driver</b>	Drive free
<b>Touch function</b>	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	$\leq 285\text{W}$
standby power	$\leq 0.5\text{W}$
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

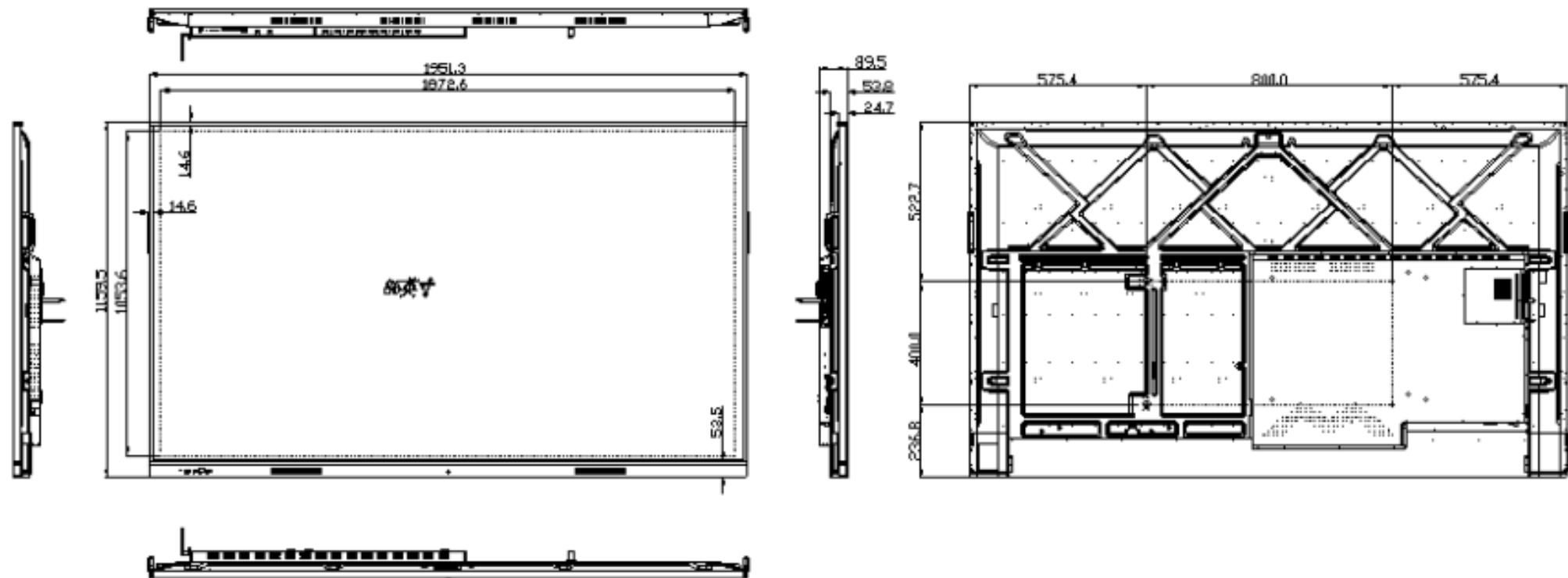
## Product Certification

Safety and Regulation	CE,CB,FCC,TUV
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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	2 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

