HCTek

PROFESSIONAL IN IR
MASTER IN CAPACITIVE

Shenzhen HCTek Co.,Ltd

ABOUT **HCTek**

HCTek has been dedicated to the R&D, manufacturing and sales of interactive display device and collaboration solutions. With its headquarter in Shenzhen, R&D center in Guangzhou, manufacturing bases in Guangdong, Jiangsu and Shandong, HCTek has been providing its intelligent interactive products and services for more than 300,000 enterprises, schools and institutions around the world.

HUAKETEK

HUAKETEK (HKT), founded in September 2014, is a national high-tech enterprise that masters the core technology of key flexible material of silver nanowire and integrates R&D, production, sales and service.

The company has more than 100,000m2 of large-scale production bases in Shenzhen, Jiangsu and Shandong, realizing the whole-industry-chain layout from nano silver ink R&D, synthesis, coating, large-scale engineering application to smart terminals, leading and promoting the coordinated development of the industry.

Factory in Jining, Shandong, 60,000m²

Factory in Suqian, Jiangsu, 35,000m²

Factory in Shenzhen, Guangdong, 25,000m²

Canada
Russia
UK
Belarus
Germany
France
Beijing
Japan
US
UAE
India
Guangzhou
Thailand
Shenzhen
Brazil
Vietnam
Malaysia
South Africa
Australia

广州研发中心

CONTENTS

Silver nanowire (SNW)

is a one-dimensional structure of silver metal that is confined transversely to less than 100nm and unlimited longitudinally. Featuring excellent electrical conductivity, high light transmission and flex resistance, SNW is regarded as key materials for a new generation of human-computer interaction and widely used in flexible foldable devices, large-size touch screens, transparent LED films, photovoltaic cells, liquid crystal dimming films and other fields.
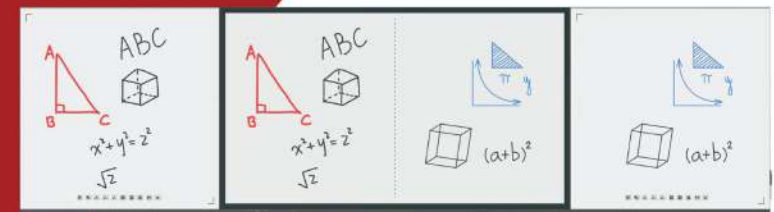

L09 Series Optical Bonding Touch Panel

HCTek provides three series of SNW capacitive touch displays. Benefitting from world-leading SNW technology and the advantage of optical bonding, these products come with elegant appearance and provide better visual experience as well enhanced durability.

KING KONG TP

Based on the advantage of the full-industry-chain layout of silver nanowire, HUAKETEK proudly launched a more reliable King Kong TP Series capacitive touch module.

- HKT silver nanowire technology
- Multi-layer protection
- 1500hr environmental testing
- Up to 87% sensor transmittance rate
- Max size of 110 inch

- Fast response speed
- High touch accuracy
- Resistant to damage, dust and moisture
- Multi-point touch and writing
- Mistouch prevention

L04 Series Optical Bonding Touch Panel

SNW Conducting Film

Optical Bonding

SNW Coating Liquid

Sensor/ TP

Whole-machine Assembly

STEP 1
STEP 2
STEP 3
STEP 4
STEP 5

R05 Series Capacitive Intelligent Board

L09 SERIES

NANO-SILVER CAPACTIVE TOUCH PANEL

20:45
Tuesday, Apr 25, 2023

Android 13 Upgradable

L09 Series comes with Android 13 upgradable solution.
- 8-Core CPU
- 8G+64G/ 8G+128G

EDLA Available

With EDLA certification by Google, users can fully utilize all of Google's apps, enjoying a safe experience with Google's software and services.

Smooth Internet Connection Powered by Octa-core CPU

The powerful octa-core processor on L09 brings users an unprecedented smooth online experience, with no more lag or delay when browsing high-definition videos or participating in online video conferences.

Google Meet

Microsoft Teams

zoom

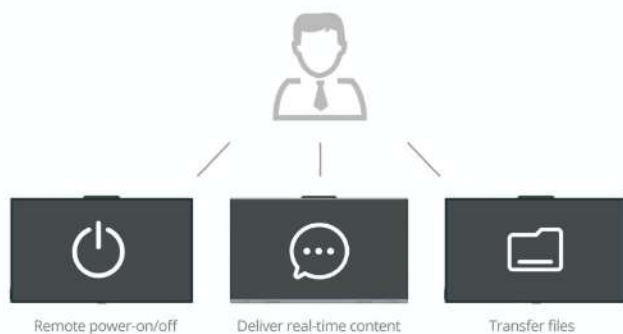|			
G	**Android**	**Wi-Fi**	**Scan**
EDLA Available	Upgradable Android 13	Wi-Fi 6	4K UHD
Support All Google Services	8 Core CPU	Hotspot, Bluetooth 5.2	178° Viewing Angle
Upload Whiteboard File to	8G+64G/ 8G+128G	DP In, HDMI In/Out	Anti-glare Tempered Glass
Google Drive	OTA Update	Type-C Out (100W charging)	Anti-fingerprint Coating

Convenient Multi-User Login

With the multi-user login feature, users can switch between accounts without the need to log out and log back in.

Secure and Efficient MDM Solution

We provide powerful mobile device management (MDM) to help enterprises centrally control their touch panels and effectively secure data.

Remote power-on/off   Deliver real-time content   Transfer files
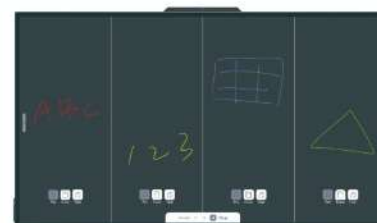
OTA Update

L09 Series supports over-the-air (OTA) update. When notified about an available update, users can accept to download the update on their device at their convenience.

Improved Touch & Writing Experience

Thanks to the SNW technology and optical bonding process, L09 Series offers much better and more efficient touch and writing experience.

- ◆ 40-point touch and 40-point writing
- ◆ Two-color writing
- ◆ Mistouch prevention
- ◆ 2/3/4-split screen

- ◆ Simultaneous writing and erasing
- ◆ Erasing with hand gesture
- ◆ Erasing content of specific color

Mistouch   Mistouch Prevention

Quick Save and Share

Users can save whiteboard files as various file formats either locally or directly upload to cloud storage platforms like GoogleDrive, or share through QR code or email.

Upload   Save   Share

Pure Flat and Ultra-thin, Less Is More!

L09 series features a minimalist design, with a thickness of only 16mm, just slightly thicker than a mobile phone!

- Frameless and ultra-narrow black area
- 1 button + 2 ports only
- 2*20W speakers
- Optional subwoofer
- Optional NFC

Remote control
Light sensing

Vivid and Eye-Friendly

L09 Series adopts a back panel that delivers wide color gamut and low blue light. More realistic visuals, but without increasing the risk of eye damage.

20:45

Type-C In & Out Ports

L09 Series comes with full-functional Type-C in port and unique Type-C out port that supports bidirectional simultaneous display and touch control as well as 100W charging.

- Type-C in: Charging/ Audio/ Video/ USB
- Type-C out: Charging/ Two-way simultaneous display and touch control

Wildlife

Wildlife

Type-C Out

Reliable in Any Mounting Conditions

L09 is adaptable to convertible mobile stand to fit in with various installation conditions and space. Whether it is vertical, horizontal or tilted, it always provides reliable touch and display performance.
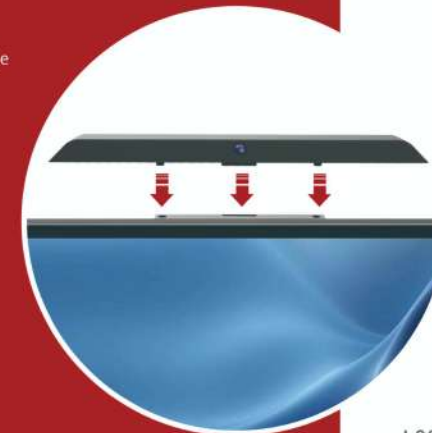
Plugin Face-Focusing Webcam (Optional)

For scenarios such as video conferencing and online classes, we offer a non-wired webcam module with optional configurations and functions. No need for wiring, just plug and play!

- 13MP Resolution / 48 MP resolution
- 90 degree view angle/ 110 degree view angle
- Voice tracking

- 8-mic array
- 10m pick-up distance
- Sound source localization

- Vocal enhancement
- Echo elimination
- Environmental noise suppression

L04 SERIES

SNW OPTICAL BONDING CAPACITIVE TOUCH PANEL

Pure Flat Panel with Curved Corners

L04 Series comes with pure flat surface and ultra-narrow bezels. The curved corners are not only designed for aesthetics, but also to help protect the safety of users during installation and use.

True-to-Life Visual Experience

Competitors   L04 Series

4K

178°

L04 Series offers unparalleled visual experience with 4K UHD image, reduced glare and wider viewing angle, ensuring visual clarity for audience from the front corners of the room.
Furthermore, users can turn down the brightness for ECO purpose, or adjust the tone, contrast, hue, etc. to achieve specific display effect.

4K UHD
178° Viewing Angle
Anti-glare

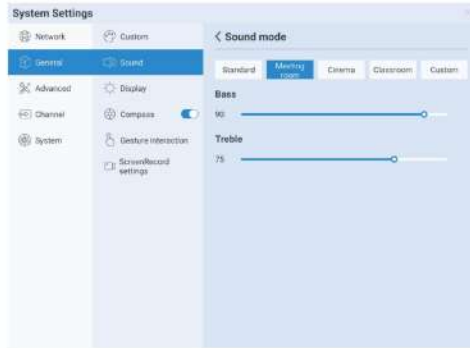311D2 Android 11
A73*4+A55*4
4G+32G/ 8G+64G/ 8G+128G

OTA Update
Wireless Screenshare
WIFI 6
100W Type C

Highly Customizable Sound Effect

◆ Different sound mode perfectly fits your different environment
◆ Optional subwoofer gives you an even better sound effect

Natural Writing Experience

L04 Series brings you perfectly natural writing experience with high accuracy and efficiency.

◆ Non-latency response
◆ Mistouch Prevention
◆ 20-point writing on Android
◆ 40-point writing on Android

Mistouch   Mistouch Prevention

Built-in Dual OS

L04 Series comes with built-in Android and optional OPS. You can decide either OS as default channel when powered on.

◆ Android 11
◆ CPU: Cortex A73*4+A55*4
◆ GPU: G52*8
◆ RAM+ROM: 4G+32G/ 8G+64G/8G+128G

OTA Update

L04 Series supports over-the-air (OTA) update. When notified about an available update, users can accept to download the update on their device at their convenience.

This is a much more efficient way to fix bugs and update software and firmware than to go to a physical store and manually upgrade each individual device.

Power Schedule

Users can customize their power schedules to save time and energy as well as prolong the life of their device.

- Scheduled on/off
- Auto sleep and power off
- Temperature detection and overheat protection

Data Security

We provide protections from several aspects to guarantee data security on your device.

- Lock screen with password
- Lock screen with USB
- USB permission
- Channel permission
- App Lock
- Third-party App permission

Multiple Network Options

L04 Series provides Wi-Fi, Ethernet and hotspot for network connection.

- Wi-Fi 6
- Dual Wi-Fi

WLAN   ((o)) Hotspot   Ethernet

More than 16 system languages

Optional OPS with customized specifications

Wireless screen sharing across different systems
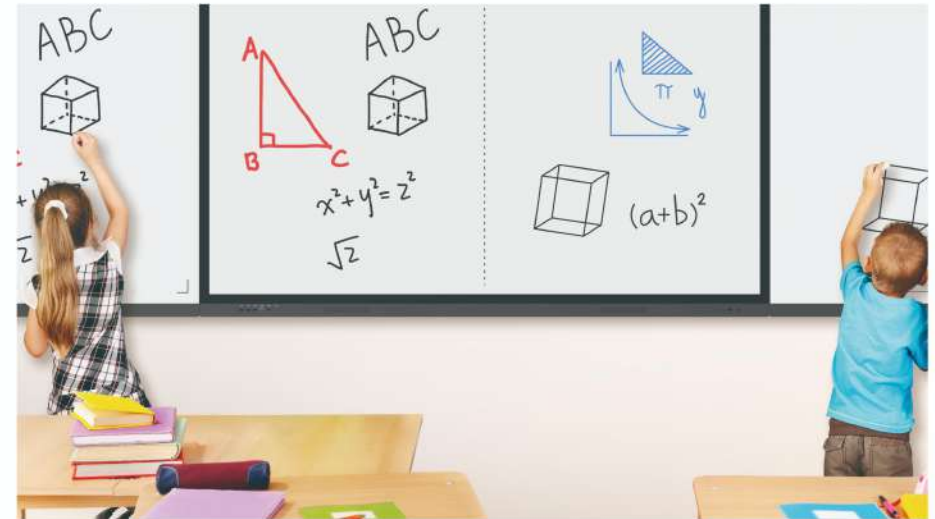
1000W full function Type-C

R05 SERIES

CAPACITIVE INTELLIGENT BOARD

Software-Enabled Interconnection

Thanks to the synchronous display software, when you write on the sub-board with a whiteboard marker, the content you write will appear on the LCD panel simultaneously.

This effectively solves the problem of the writing content being blocked by the writer, and creates an even wider viewing angle.

One-Click Save & Share

What's even more amazing is that the content simultaneously displayed on the LCD panel can be saved as a local file or shared to any device via QR code.

Software-enabled Interconnection
Wireless Screen Share
Share File with QR Code
Traditional handwriting matches
with technologies

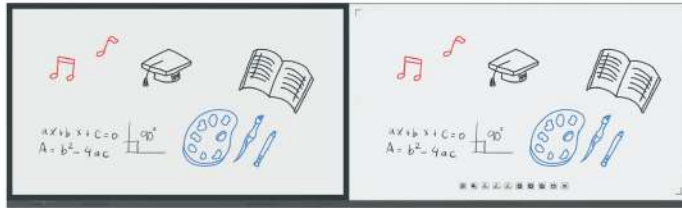311D2 Android 11
A73*4+A55*4
4G+32G/ 8G+64G

Dual OS
OTA Update
Front Interface
Side wings support marker
pen writable and erasable

Optional Colors for Writing & Background

For the sub-board we provide red, blue and black markers. And for the LCD panel, users can set any colors they want in the writing settings, as well as customize the color of the background. Different colors make your content clear at a glance.

Various Sizes & Combinations

No space for two sub-boards? Or want an oversized board for large classroom? HCTek has it ready for you. We provide LCD panel of three sizes and three different ways of combination. You can splice the sub-board on the left/ right side, or one on each side.

Convenient Interfaces and Buttons

- ◆ Rich front ports for multi-device connection
- ◆ Auto signal source recognition
- ◆ Customized default channel
- ◆ Switch between Android/ OPS or external device
- ◆ Lock the screen or USB port with one single button
- ◆ Switch to ECO mode by pressing the power key and re-wake by a single touch

Easy Installation and Handling

Is it difficult to handle such a large-size product? Absolutely not! We pay great attention to the user-friendliness of our product and strive to make it easy and safe during installation and daily use.

- ◆ Upgraded metal plate with Mohs 7 hardness tempered glass
- ◆ Separate installation of the LCD panel and the whiteboard(s)
- ◆ Curved corner to prevent injury

SNW Capacitive Touch Technology

Marker pen writable & erasable

Optical Bonding

Screen Share

Extraordinary Visual Experience

Eye Protection

Android 11

SNW Capacitive Touch Technology

High accuracy
Fast response
Mistouch prevention
40-point touch
20-point writing

Extraordinary Visual Experience

4K UHD display
178°viewing angle
Anti-glare tempered glass

Eye Protection

Intelligent light sensing
Auto brightness adjustment

Dual OS

Built-in Android
Pluggable OPS
One button to switch OS

Screen Share

Wireless sharing
Fast file transfer
Two-way control
Four-split screen

Android 11

CPU: Cortex A73*4+A55*4
GPU: G52*8
RAM+ROM: 4G+32G/ 8G+64G

Infrared (IR) touch

is a mature touch screen technology that gains growing popularity in recent years, especially in educational and corporate industry. It works by detecting interruptions of infrared beams emitted by LEDs embedded in the frame around the touchscreen overlay.

Thanks to the IR touch technology, users can touch or write on their IR panel/ whiteboard with anything opaque, a dry/wet finger, stylus, pen, cotton swab, etc.

E Series IR WhiteboardPanelPanel

With industry-leading R&D strength, advanced production equipment and professional technical support, we are able to provide highly customized interactive display solutions to meet the unique needs of different users in different markets.

HCTek has been devoted to the R&D, manufacturing and sales of IR flat panel displays and whiteboards.

◆ Long service life
◆ Low maintenance cost
◆ Large sizes available
◆ Touch/ write with almost anything

L06 Series 0 Gap Bonding IR Touch

L03 Series IR Touch Panel

AIO Infrared Whiteboard

L06 SERIES-RK3588

0 GAP BONDING AIO TOUCH PANEL

EDLA Available

EDLA certification allows users to fully utilize all of Google's apps, creating a safe and enjoyable experience with Google's software and services.

Unprecedented Smooth Online Collaboration

The powerful octa-core CPU of L06 Series ensures high-speed access to the internet, allowing users to browse high-definition videos and participate in online conferences without lag and delay.

3588	**G**		
Android 13 Upgrad-able Solution	EDLA Available	4K UHD	Wi-Fi 6
8 Core CPU	Support All Google Services	178° Viewing Angle	Bluetooth 5.2
8G+64G/ 8G+128G	Upload Whiteboard File to	Anti-glare	Hotspot
OTA Update	Google Drive	Anti-fingerprint Coating	Type-C out (100W Charging)

Transforming the way you learn & work

Quick Save and Share

Users can save whiteboard files as various file formats either locally or directly upload to cloud storage platforms like GoogleDrive, or share through QR code or email.
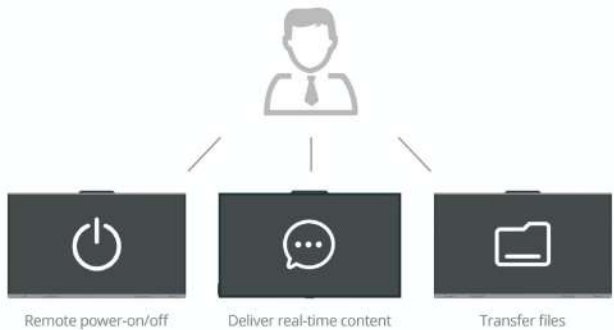
Upload

Save

Share

Convenient Multi-User Login

With the multi-user login feature, users can switch between accounts without the need to log out and log back in.

Multiple users

Allow multiple users

You (Owner)
Admin

Add guest

Add user

Add users from lock screen

Secure and Efficient MDM Solution

We provide powerful mobile device management (MDM) to help enterprises centrally control their touch panels and effectively secure data.

Remote power-on/off

Deliver real-time content

Transfer files

Over-the-Air Update

Our over-the-air (OTA) update support keeps your L06 panel upgraded with the latest firmware at all times.

UPGRADING SOFTWARE
PLEASE DO NOT TURN OFF

Incredible Writing Experience

- 40-point touch and 40-point writing
- Writing with three colors and different thickness simultaneously
- Up to four-split screen
- Writing and erasing at the same time
- Erasing with hand gesture
- Erasing content of specific color

Type-C In & Out

L06 Series comes with full-functional Type-C in port and unique Type-C out port that supports bidirectional simultaneous display and touch control as well as 100W charging.

- Type-C in: Charging/ Audio/ Video/ USB
- Type-C out: Charging/ Two-way simultaneous display and touch control

Type-C Out

True-to-Life Visual and Sound

With its 4K ultra HD display and anti-glare tempered glass, L06 Series offers superior image quality regardless of the room brightness. The built-in 2*20W speakers create vivid room-filling sound with no cords or external accessories needed.

4K

178°

Easily Pluggable Webcam (Optional)

For customers who desire a camera, we provide a plug-and-play webcam module with various specifications.

- Resolution: 13MP/ 48MP
- Field of View: 110°/ 90°
- Microphone: 8-array

L06 SERIES-311D2

0 GAP BONDING AIO TOUCH PANEL

Device temperature46°C

Device temperature30°C

INFOGRAPHIC ELEMENT COLLECTION

25% 50% 65% 75%

More Than What You expected!

◆ Support free window (multi-windows), different apps work at the same time!
◆ Customizable themes and icons on home screen
◆ Slide to change from Android to Windows or welcome screen
◆ Front and Rear full function Type-C ports

Free window/ multi-windows

Slide to change channels

311D2

Android 11/13
8-Core CPU
4G+32G/ 8G+64G/
8G+128G

4K UHD
178° Viewing Angle
Anti-glare

Wireless Screen Share
Two-way Control
WiFi 6
Bluetooth, Hotspot
OTA Update

Transforming the way you learn & work

Built-in/ Pluggable Webcam (Optional)

Want to equip your L06 Series panel with a webcam? We have two modules for you to choose from.

- Resolution: 13MP/ 48MP
- Field of View: 110°/ 90°
- Microphone: 8-array
- Type: Built-in/ Pluggable

Floating Tool Bar

Tap the floating action button to find all the most commonly used presentation tools.
Make notes on any interface without having to exit the current application window, avoiding distraction to the audience.

Powerful Interactive Software

With our powerful yet easy-to-use interactive software, your L06 Series touch panel enables wireless multi-screen sharing, lightning-quick streaming and bidirectional control, among many other functions that will no doubt lead your classroom or workplace interaction to the next level.

Screen Splitting   Bidirectional Control

Over-the-Air Update

HCTek's over-the-air (OTA) update support keeps your L06 panel upgraded with the latest firmware at all times.

True-to-Life Visual and Sound

With its 4K ultra HD display and anti-glare tempered glass, HCTek L06 Series offers superior image quality regardless of the room brightness. The built-in 2*20W speakers create vivid room-filling sound with no cords or external accessories needed.

Convenient Touch & Writing

• Two-color writing
• Handwriting recognition
• Different writing thickness and colors
• 40-point touch, 20-point writing
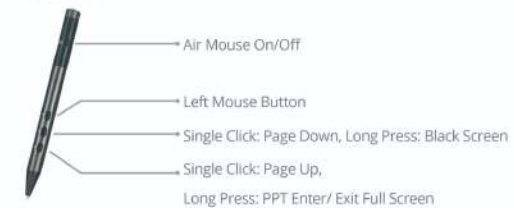• Compatible with Android/ Windows/ Mac/ Chrome

Fingerprint/ NFC Lock (Optional)

You can instantly unlock the screen with your fingerprint or NFC card, eliminating the hassle of entering a passcode. Simple and safe!

Rechargeable Pen Mouse (Optional)

To customers who regularly present PPT documents, we are delighted to introduce our rechargeable pen mouse that combines the function of air mouse, PPT presenter and screen writing and supports 15m remote control.

Air Mouse On/Off

Left Mouse Button

Single Click: Page Down, Long Press: Black Screen

Single Click: Page Up,
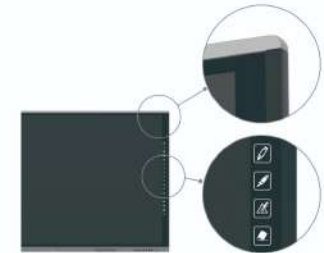Long Press: PPT Enter/ Exit Full Screen

L03 SERIES

INFRARED TOUCH PANEL

We upgraded!

L03 Series Touch Panel features even more fashionable overall appearance.

- Thinner bezels
- Lighter in weight
- 18 hotkeys on both sides for easy access

Various Ports at Front & Rear

Full functional Type-C, DP, HDMI in & out, USB 3.0*3 and more... Just to maximize your connectivity with multiple devices!

4K UHD
Anti-glare
Eye Protection

Android 11
A55*4, 1.9Ghz
4G+32G/ 8G+64G

40-point Touch
20-point Writing
Simultaneous Two-color writing
Hot keys for easy access to software

Luxurious Visuals

L03 Series employs 4K ultra HD resolution and anti-glare tempered glass to deliver astonishing lifelike visuals for every audience in the room.

- 4K UHD Display
- 4mm Tempered Glass
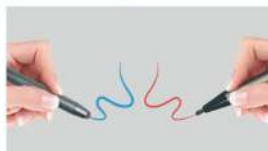- 178° Viewing Angle

Multi-point Touch Ultra-fine Writing

The ultra-thin stylus brings you incredibly smooth and natural writing experience just like using a traditional pen.
However, it outperforms the old-school writing by identifying two touch objects with different touch sizes and configuring different colors for each of them.
You can even change the color of either one without affecting the other!

- 40-point touch
- 20-point writing
- Two color writing simultaneously

Freeze Screen

Have to pause your presentation due to unexpected issues but don't want the audience to see what you are doing on your connected device?
Not a problem! Use the remote control to freeze the screen while keeping the audio playing, so that no one gets distracted and your progress will not be affected!

Freeze Button

YOUR IDEAL MODEL FOR EDUCATION PURPOSE

Flexible Webcam (Optional)

L03 Series has two optional webcam modules with different specifications. Choose the one that fits your needs best!

- Resolution: 13MP/ 48MP
- Field of View: 90°/ 110°
- Microphone: 8-array
- Type: Built-in/ Pluggable

Compatibility

Compatible with Windows, Android, Mac OS and Chrome OS Support Android 6.0, 8.0 and 9.0

Customizable Mounting Solutions

You can either mount the screen using the wall mount or on the mobile stand to accommodate your need.

N01 SERIES

NON-SYSTEM TOUCH PANEL

Non-System Design

The design without a built-in system eliminates users' concerns about data security.

Optional Android OPS/ Windows OPS

For those who need it, the panel can be paired with an EDLA certified Android box or OPS.
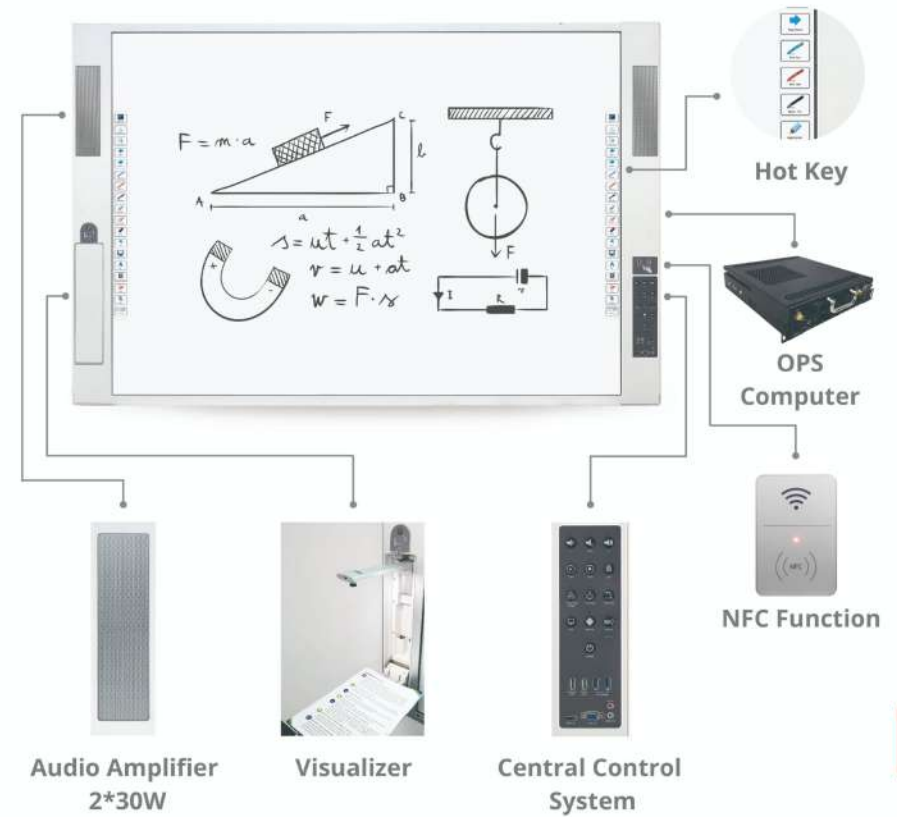
EDLA-Certified Android OPS

With EDLA certification, users can enjoy seamless and safe access to all of Google's software and services.

- Non-system design
- One slot compatible with Android box and OPS
- EDLA-certified Android box

INFRARED AIO
INTERACTIVE WHITEBOARD

Hot Key

OPS Computer

NFC Function

Audio Amplifier 2*30W

Visualizer

Central Control System

$F = m \cdot a$

$s = ut + \frac{1}{2}at^2$

$v = u + at$

$w = F \cdot \gamma$

⌨ **18 Hot Keys**
Multiple Languages

▧ **Dual OS**
Plugin OPS
Central Control System

🔊 **Audio Amplifier**
HD Visualizer
NFC Unlock

HD Visualizer

More than 8 megapixels lens, LED fill-in light and touch switch function, anti-shake design.

Optional OPS Module

The OPS module is available with two sizes and customized specifications.

Dual Operation Systems

Built-in Windows and Android OS can be switched with a single press of the button.

NFC Function

Lock/ unlock the device by just swiping the IC card on the NFC function area.

Simple Plug and Play

The AIO whiteboard can be used with any projector by quick connection without the need of driver or calibration.

Recording & Broadcasting (Optional)

With just the camera and the sound picker, you can record classroom videos by one simple click and achieve 1080P HD broadcasting live or playback.

E SERIES IWB

INTERACTIVE WHITEBOARD

18 Hot Keys
Ultra-narrow Frame

Simultaneous Writing & Erasing
Multi-point Touch

Maximized Compatibility
Multiple Languages

Multi-Point Touch and Simultaneous Writing/ Erasing

It allows maximum 10 points writing at the same time, and users can write and erase simultaneously.
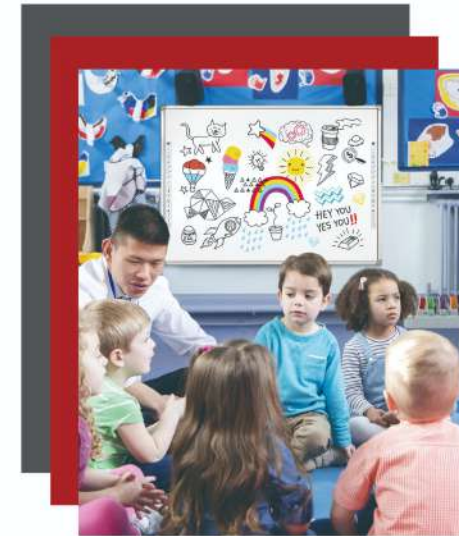
Minimum touch object: 5mm, touch accuracy: 1mm

OS Compatibility

Windows XP/7/8/10, Linux, Chrome OS, Mac OS

Hot Keys

18 hot keys on the left and right sides of the board promote ease of use

Ultra-narrow Frame

Ultra-narrow aluminum alloy frame to beatify the appearance

POWERFUL SOFTWARE

POWERFUL TEACHING & ANNOTATING SOFTWARE

ink+(Windows)

ink+(Android)

ink+ (Windows/ Android)

—

- A powerful suite of whiteboard software
- 20+ language options
- Large range of teaching resources
- Simulation experiments for interactive learning
- Annotation tools for presentations
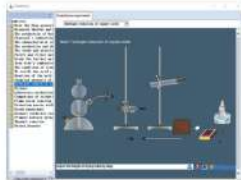- *** Version for Android is also available**

Workplace Collaboration

Eshare

- Free Android and Apple download
- Support for windows and Mac devices
- Easy wireless connection and interactivity
- Screen mirroring and data sharing
- Multi-device display solution

Educational Resources

Class Game

An integrated application in SurwiseBoard that provides with numerous fun stuff designed for classroom activities

Kid Game

An application designed for kindergarten and elementary school children to learn with fun games

Simulation Experiment

Simulation experiments cover most of the common experiments in primary and secondary schools, allowing students to master the subject through a variety of safe and fun simulation experiments.

Remote Control System/ MDM System

A central-controlled system that combines the functions of monitoring, information release and remote control and is widely applied in the management of intelligent campus.

Remote power-on/shutdown
Remote lock/unlock

ACCESSORY

Stylus

Our touch panels come with different styluses to offer you a desirable writing experience.

Wireless ScreenShare

Plug and play screen sharing for display devices with HDMI input to provide smart conferencing functions such as automatic wireless screen casting, mirroring, two-way control, etc.

Mobile Stand

Electric/ manual stand with adjustable height to fit any installation conditions and move around according to your need.

Remote Control

Compatible with various models

OPS

i5/ i7, 6th/ 7th/ 8th/ 9th / 10th / 11th customizable