

# HUAWEI IdeaHub Board 2

Bring Digital to Every Classroom for Interactive Teaching and Immersive Learning



TÜV Rheinland Low Blue Light (Hardware Solution) Certification

TÜV Rheinland Eye Comfort Certification



# Product Highlights



## 4K soft light screen for better eye care

- 4K HD display with optical anti-blue light
- 1.07 billion colors for natural display
- Anti-glare (AG) screen with adaptive brightness adjustment



## Convenient projection, easy to use

- Dual Wi-Fi design for anti-interference
- Various projection methods, including using the projection code, or through HDMI and Type-C ports
- Reverse control allows users to turn pages and annotate using the large screen



## 25 ms low latency for smooth writing

- Sensitive stylus tip specially designed for teaching
- Co-authoring and various scanning methods for whiteboard content takeaway



## Multiple interfaces for flexible connection

- Type-C and USB 3.0 are available on the front panel for easy projection and copying



## One-tap system switchover

- Android and Windows system switchover in just one tap
- Embedded OPS for app compatibility, ensuring availability

# Application Scenarios



## Digital Classroom

Innovative teaching tools for students' eye comfort

## Hybrid Learning

Learn on demand anytime, anywhere



## Collaborative Classroom

Flexible layout for multi-screen interaction

Note: Courseware resources are provided by Huawei partners.

## Specifications



Jade White

### Product name

IdeaHub Board 2

### Model

IHB2-65SU/IHB2-75SU/IHB2-86SU

### Net weight

65": 35.0 kg

75": 47.0 kg

86": 62.0 kg

### Gross weight

65": 42.5 kg

75": 57.0 kg

86": 73.5 kg

### Product dimensions (W x H x D)

65": 1484.5 mm x 892.5 mm x 91.6 mm

75": 1705.7 mm x 1016.9 mm x 91.8 mm

86": 1953.0 mm x 1157.0 mm x 91.8 mm

### Package dimensions (W x H x D)

65": 1650 mm x 1050 mm x 220 mm

75": 1900 mm x 1170 mm x 220 mm

86": 2090 mm x 1300 mm x 250 mm

## Components

### Device x 1

65"/ 75"/86"

### Stylus pens x 2

PET pen tip/anti-slip pen  
body/magnetic attachment

### Cables

Power cable x 1

### OPS

Optional (i5/i7)

### Rolling stand

Optional

### Wall-mounted bracket\*

Optional

### IdeaHub Controller

Optional

Note: VESA mounting sizes are M8 x 25 mm (600 mm x 400 mm for 65", 800 mm x 400 mm for 75"/86")

## Screen

### Resolution

UHD 4K (3840 x 2160)

### Viewing angle

178°

### Glass hardness

≥7H

### Screen lamination

Zero-gap bonding

### Color depth

10-bit (8-bit + FRC)

### Backlight type

D-LED

### Number of touch points

20

### Screen refresh rate

60 Hz

### Aspect ratio

16:9

### Screen brightness

350 nits (typical luminance)

### Contrast

1200:1 (typical value)

## Eye Protection

### Optical anti-blue light

Supported

### Anti-glare

Supported

### Adaptive brightness

Supported

TÜV Rheinland Low Blue Light  
(Hardware Solution) Certification

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TÜV Rheinland Eye Comfort Certification

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## Writing

### Writing latency

≤ 25 ms

### Precision

± 1 mm

### Whiteboard saving mode

QR code scanning/Email/  
Local disk/USB flash drive

## Projection

### Wireless projection effect

Up to 4K30

### Wired projection effect

4K60

### Client OS

Android/Windows/iOS/macOS

### Projection method

IdeaShare projection code  
  
HDMI, Type-C wired projection

### Reverse control

Supported

### Annotation during projection

Supported

### IdeaShare Key

Projection through the drop-down menu

## Wireless Connection

### Dual Wi-Fi module

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### Wi-Fi frequency

2.4 GHz/5 GHz

## Speaker

### Frequency domain

100 Hz to 20 kHz

### Speaker unit

2 x full-frequency speaker  
2 x high-frequency speaker

### Stereo sound

Supported

## System

### CPU

4-core

### RAM

4 GB

### Flash

32 GB\*

### OS

Android 9.0; Windows 10 (OPS)

## Ports

### Front-panel ports

USB Type-C x 1  
USB Type-A 3.0 x 2

### Side-panel ports

USB Type-A 3.0 x 1  
USB Type-B x 1  
HDMI (input) x 2  
HDMI (output) x 1  
COM port x 1

RJ45 network port x 1  
80-pin OPS port x 1  
3.5 mm (line-in) x 1  
3.5 mm (line-out) x 1



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The updates are described in the latest release notes or introduction in detail.  
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