



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 ports available on the front panel
- Easy connection to camera, microphone, high-speed document scanners, and others



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

✓

TÜV Rheinland Eye Comfort Certification

✓

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

✓

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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