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

Product name	**Model**
IdeaHub Board 2	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

Jade White

Components

Device x 1	**Stylus pens x 2**	**Cables**
65"/ 75"/86"	PET pen tip/anti-slip pen body/magnetic attachment	Power cable x 1
OPS	**Rolling stand**	**Wall-mounted bracket***
Optional (i5/i7)	Optional	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	**Viewing angle**	**Glass hardness**
UHD 4K (3840 x 2160)	178°	≥7H
Screen lamination	**Color depth**	**Backlight type**
Zero-gap bonding	10-bit (8-bit + FRC)	D-LED
Number of touch points	**Screen refresh rate**	**Aspect ratio**
20	60 Hz	16:9
Screen brightness	**Contrast**	
350 nits (typical luminance)	1200:1 (typical value)	

Eye Protection

Optical anti-blue light	**Anti-glare**	**Adaptive brightness**
Supported	Supported	Supported
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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

Disclaimer

The technical specifications described in this document include but are not limited to parameters and performance indicators and vary depending on the actual release.

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

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