

MAXHUB Smart Blackboard

Model: B8620

Witness the marriage of aesthetics and function with the B8620 Smart Blackboard, the ultimate design masterpiece for an optimal educational experience. Combining unparalleled visual appeal with integrated writing capabilities and next-generation eye-care technology, this classroom innovation redefines modern teaching and learning. Equipped with a built-in camera, microphone, and all-in-one functionality, the B8620 Smart Blackboard takes learning to new heights while being easy on the eyes. Perfect for multimedia presentations, interactive lesson plans, or collaborative learning activities, the B8620 Smart Blackboard is the all-in-one solution that raises the bar in every aspect.



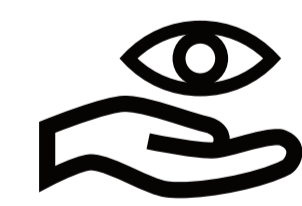
Prominent Display

High Color Accuracy, $\Delta E \leq 1$
Zero Bonding Technology



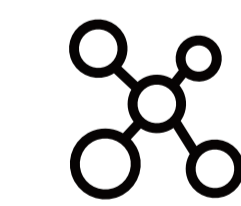
Professional security protection Eyes Care

Design with no sharp edges
minimizes unintentional bumping



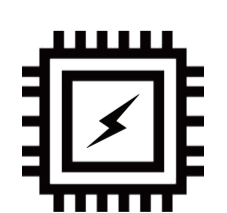
TUV Eye Comfort, TUV Low Blue light, TUV Flicker-free

TUV Eye Comfort, TUV Low
Blue light, TUV Flicker-free



All-in-One Capability

50M Wide-angle Camera
4-Array Microphone



Powerful Configuration

Powerful 2.0GHz Quad-core
CPU, 8GB RAM, 128GB ROM



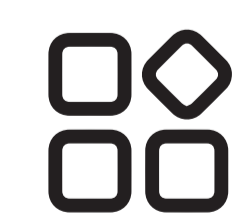
Natural Writing Experience

Seamless integrated design, supports
writing with chalk, dust-free chalk, and
water-based pens



Convenient Connectivity

All-in-one Type-C interface, integrate
65W power charge, video, audio,
touch and internet access features



Comprehensive Software Suit

MAXHUB EDU OS V3 based on
Android 13, including extensive
self-developed applications.

Display

Model	B8620
Diagonal Size (inch)	86
Display Area	1895.04 (H) × 1065.96 (V) mm
Aspect Ratio	16:9
Resolution	3840 (H) × 2160 (V)
Viewing Angle	178° (H/V)
Brightness (typ.)	400 nits (Typ.) 450 nits (Max.)
Contrast Ratio	1,200:1 (Typ.) 50,000:1 (Dynamic.)
Color Depth	1.07B (10bit)
Color Gamut (typ.)	98% sRGB
Color Accuracy	Delta E ≤ 1
Glass	Zero parallax, 3.2mm thickness, 9H Tempered
Surface Technology	Anti-glare, Etched AG Technology Support writing with ordinary chalk, dustless chalk and liquid pens
Eyes Care	TÜV Eye Comfort TÜV Flicker Free TÜV Low Blue Light
Refresh Rate	60Hz
Response Time	8ms
Backlight Unit	DLED
Backlight Life (typ.)	≥ 50,000 Hours

Touch System

Touch Technology	Infrared recognition
Touch Point	20 Points touch
Object Recognition Range	3mm
Accuracy	± 2mm
Response Time	≤ 9ms
Supported Operating System (Touch Return)	Windows10 / Windows8 / Windows7 / WindowsXP / Android / Linux/Mac OS X / Chrome

Built-in System

Operating System	Android 13.0
RAM	8GB
ROM	128GB
CPU	2.0GHz quad core ARM A55
GPU	Mali-G52 MP2

Connectivity

Input	HDMI IN × 3
	USB 2.0 × 1
	USB 3.0 × 4
	USB Type-C × 1
	VGA IN × 1
	AUDIO IN × 1
	RS232 × 1
	RJ45 IN × 1
Output	HDMI OUT × 1
	TOUCH OUT × 2
	AUDIO OUT × 1
	SPDIF × 1
	RJ45 OUT × 1
OPS Slot	Module Slot × 1
Wifi Slot	Module Slot × 1

Camera/Audio/Microphone

Camera Resolution	50M
FOV	HFOV: 135° DFOV: 150°
Video Recording	4K, 1080P, 720P
Built-in Microphone	4-Array Microphone
Microphone pick up range	0-8 m
Speaker Power	2 × 8W + 2 × 18W Outputs 2 × 12W + 2 × 25W Maximum
Sound Channel	2.2

Power

Power Supply	AC 100~240V 50/60Hz
Power Consumption (standby)	≤ 0.5W
Power Consumption (maximum)	440W

Environment

Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	10%~90% RH
Storage Humidity	10%~90% RH
Altitude	Below 5000 meters

Software

System OS	MAXHUB EDU OS V3
Account management	MAXHUB Account
Whiteboard Tool	MAXHUB Class Pro
Screen sharing	MAXHUB Connect
Device management	MAXHUB Pivot
Other Apps	Browser, Cloud Drive, Note, Palette, WPS Office, etc.

Physical Specification

Dimension (W x H x D)	Main screen: 1994 × 1200 × 109 mm
	Blackboard: 1114 × 1200 × 112 mm
	Assembled: 4200 × 1219 × 98 mm
Shipping Dimension (W x H x D)	Main screen: 2156 × 255 × 1335 mm
	Blackboard: 1240 × 280 × 1257 mm
Thickness of machine and wall mount	98 mm
Net Weight	Main screen: 61.45 kg
	Blackboard: 18.10 kg
Gross Weight	Main screen: 80.20 kg
	Blackboard: 25.12 kg

Accessories

Power Cord	3 m x 1
Remote Control	x 1
Stylus	x 2
HDMI Cable	3 m x 1
Wall Mount	x 1
Wireless Adapter	x 1

Optional Module

OPS	OPS62A, OPS72A
Mobile Stand	ST31
Borad	Blackboard & Whiteboard

Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice.

MAXHUB

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