

# MAXHUB Smart Blackboard

Model: B8610

Witness the marriage of aesthetics and function with the B8610 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 B8610 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 B8610 Smart Blackboard is the all-in-one solution that raises the bar in every aspect.



## Prominent Display

High Color Accuracy,  $\Delta E \leq 1.5$   
Zero Bonding Technology



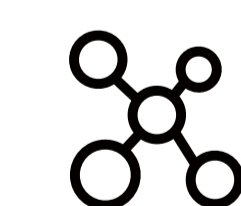
## Professional security protection

Design with no sharp edges  
minimizes unintentional bumping



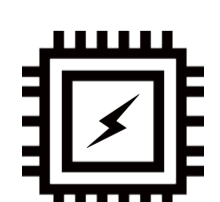
## Eyes Care

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



## All-in-One Capability

16M Wide-angle Camera  
4-Array Microphone



## Powerful Configuration

Powerful 2.0GHz Quad-core  
CPU, 8GB RAM, 64GB ROM



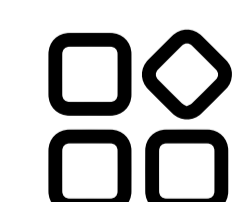
## Natural Writing Experience

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 V3.0 based  
on Android 11, including extensive  
self-developed applications.

**Display**

Model	B8610
Diagonal Size (inch)	86
Display Area	1895.04(H)×1065.96(V)mm
Aspect Ratio	16:9
Resolution	3840 x 2160
Viewing Angle	178° (H/V)
Brightness (typ.)	400cd/m <sup>2</sup>
Contrast Ratio	4000:1 (Typ.) 8000:1 (Dynamic.)
Color Depth	1.07B (10bit)
Color Gamut (typ.)	72% NTSC
Color Accuracy	Delta E ≤ 1.5
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 11.0
RAM	8GB
ROM	64GB
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**

Built-in Camera	16M 135° FOV
Video Recording	4K, 1080P, 720P
Built-in Microphone	4-Array Microphone
Microphone pick up range	0-8m
Speaker Output Power	2×25W (Max.) Upper front speaker
<b>Power</b>	
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 V3.0
Account management	MAXHUB Account
Whiteboard Tool	MAXHUB Class
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: 1994×1200×109mm Blackboard: 1114×1200×112mm After assembling: 4200×1219×98mm
Shipping Dimension (W x H x D)	Main screen: 2156×255×1335mm Blackboard: 1240×280×1257mm
Thickness of machine and wall mount	98mm
Net Weight	Main screen: 61.45kg Total Blackboard: 18.10kg
Gross Weight	Main screen: 80.20kg Total Blackboard: 25.12kg

**Accessories**

Power Cord	3m x 1
Remote Control	x 1
Stylus	x 2
HDMI Cable	3m x 1
USB Type-C Cable	1.8m x 1
USB Touch Cable (Type A-B)	5m x 1
Wall Mount	x 1
Wireless Adapter	x 1

**Optional Module**

OPS	OPS62A
Mobile Stand	ST31
Borad	Blackboard & Whiteboard

# **MAXHUB**

Beyond Collaboration