

# 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 13, 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.)<br>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<br>Support writing with ordinary chalk, dustless chalk and liquid pens |
| Eyes Care             | TÜV Eye Comfort<br>TÜV Flicker Free<br>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 /<br>Android / Linux/Mac OS X / Chrome |

**Built-in System**

|                  |                          |
|------------------|--------------------------|
| Operating System | Android 13.0             |
| 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       |
| Output    | RJ45 IN × 1     |
|           | HDMI OUT × 1    |
|           | TOUCH OUT × 2   |
|           | AUDIO OUT × 1   |
|           | SPDIF × 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.)<br>Upper front speaker |

**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 V3.0                                    |
| 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 x 1200 x 109mm<br>Blackboard: 1114 x 1200 x 112mm<br>After assembling: 4200 x 1219 x 98mm |
| Shipping Dimension (W x H x D)      | Main screen: 2156 x 255 x 1335mm<br>Blackboard: 1240 x 280 x 1257mm   |
| Thickness of machine and wall mount | 98mm  |
| Net Weight                          | Main screen: 61.45kg<br>Total Blackboard: 18.10kg   |
| Gross Weight                        | Main screen: 80.20kg<br>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                    |
| Board        | Blackboard & Whiteboard |

# **MAXHUB**

Beyond Collaboration

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