MAXHUB XBoard V7 Series T8650 Datasheet

Experience the ultimate in video conferencing and collaboration with the MAXHUB XBoard V7 series. Powered by a Windows PC module, this all-in-one design device seamlessly integrates the Trident Lens, cutting-edge audio processing, interactive whiteboarding, and an intuitive meeting launcher, all housed within a single comprehensive collaboration display. The stunning 4K Mini-LED display with capacitive touch control brings vibrant and precise visuals, making every interaction seamless and engaging. This powerful combination enhances the dynamism of meetings and introduces a flexible and creative interaction to your organization.





Immersive Full-Screen Design

97.8% screen-to-body ratio Sleek 2.6mm ultra-narrow bezel



4K Mini-LED Display

Maximize to 1,152 local dimming zones Peak brightness up to 1,250 nits



Precise Capacitive Touch

MAXHUB Think&Ink Technology Revolutionary writing experience, Windows Ink supported



BYOM Anytime

Embrace seamless efficiency enabled by MAXHUB Share App or wireless dongle



Get Spatial with Sound

16-mic array, 15 meters pick-up range Multiple Al-enhanced audio algorithms



Built-in Seamless Speaker

4×10W+20W speaker



Trident Lens System

50 MP+50 MP+50 MP motorized flip camera 5x hybrid zoom, 99° ultra-wide FOV



Peak Performance

Unleash the power with MT71 series PC module 12th Gen Intel Processor with Windows system, stably smooth

T8650	
Display	
Model	T8650
Screen Size (Inch)	86
Aspect Ratio	16:9
Panel	IPS
Backlight	Mini LED
Brightness (Typ.)	500 nits
Brightness (Max.)	1250 nits
Local Dimming	1152 zones
Response Time	8 ms
Resolution	3840 (H) × 2160 (V)
Refresh Rate	60 Hz
Pixel Pitch	0.4935 (H) × 0.4935 (V) mm
Display Area	1895.04 (H) × 1065.96 (V) mm
Contrast Ratio	1,200,000:1 (dynamic.)
Glass	Optical bonding 2 mm thickness, 9H tempered
Surface Technology	25% haze, non-glare technology Anti-fingerprint coating
Color Gamut	96% NTSC
Display Color	1.07B (10 bit)
Color Accuracy	Delta E ≤ 1
Display Orientation	Landscape
Life Time	≥ 50,000 hours
Operation Hours (Hours / Day)	16 / 7
Touch System	
Touch Technology	Capacitive recognition
Touch Channels	444 channels
Touch Point	40 points touch
Accuracy	±0.5 mm (active stylus) ±1.0 mm (passive stylus)
Feature	Windows Ink / Think&Ink / Palm Rejection / Multi-input Recognition / Handwriting Recognition

Feature	
System OS	MAXHUB OS 7.0 powered by Windows
Screen Share	MAXHUB Share
	Support BYOM / Miracast / Airplay / Chromecast / P2P
Device Management	MAXHUB Pivot
Protocol Control	RS232 / IP control
	Supports integration with Crestron / Extron / Q-sys
Special Features	Microsoft Intune

Accessory	
Power Cord	3 m × 1
HDMI Cable	1.5 m × 1
Stylus	×2
Wall Mount	WIB9060H
Wi-Fi Module	SIO7B

Physical Specification	
Dimension (W × H × D)	1924.7 × 1162.6 × 88.8 mm
Shipping Dimension (W × H × D)	2110 × 225 × 1304 mm
Thickness of Machine and Wall Mount	103.6 mm
Wall-hanging Screw Spec	M8 × 25 mm
VESA	800 × 600 mm
Net Weight	67.60 kg
Gross Weight	85.60 kg

Power	
Power Supply	100-240V~ 50/60 Hz
Standby Power	≤ 0.5 W
Power Consumption (Max.)	350 W

Optional Module		
Pluggable PC Module	MT71E / MT71F	
Mobile Stand	ST33M / ST23G	
Wireless Donale	WT13	

Connectivity			
	HDMI IN × 2	Up to 4K@60Hz, HDCP 2.2, CEC	
	USB 2.0 × 1	For system upgrades	
	USB 3.0 × 1	For external peripherals	
	USB Type-C IN × 1	USB 2.0, supports DP 1.2 input, wireless dongle pairing, and BYOD	
I/O Ports (Interactive Display)	TOUCH 2.0 × 1	USB 2.0 Type B	
(interdedive Bispilay)	AUDIO IN × 1	3.5mm Jack	
	AUDIO OUT × 1	3.5mm Jack	
	RS232 × 1	Baud rate 9600	
	RJ45 IN × 1	Mic in, supports 30W POE, microphone cascade, AES67 protocol	
	HDMI OUT × 1	Up to 4K@30Hz	
	USB 2.0 × 3	For external peripherals	
I/O Ports (MT71E/MT71F PC Module)	USB 3.0 × 3	For external peripherals	
(11712)11711101100010)	RJ45 IN × 1	10M/100M/1000Mbps	
	MIC IN × 1	3.5 mm Jack, input for microphone	
PC Module Slot		Module slot × 1	
PC Module System		Windows11 Pro	
Wi-Fi Slot		Module slot × 1	
Wi-Fi (MT71E/MT71F PC Module)		Wi-Fi 6 supported 802.11ax, 2.4GHz/5GHz	
Bluetooth (MT71E/MT71F PC Modu	5.2		

Camera	
Wide Camera	50 MP × 1 DFOV 99°, HFOV 86°
Telephoto Camera	50MP × 2 DFOV 68* (combined), HFOV 63* (combined)
Zoom	5× hybrid zoom
Privacy Protection	Motorized flip camera
Feature	Personalized presets Auto framing Speaker tracking Multiple-speaker tracking Intelligent focus

Audio	
Sound Channel	4.1
Speaker Power	4×10W+20W

Microphone	
Quantity	16-mic array
Pick-up Angle	180*
Pick-up Range	0~15 m
Feature	Intelligent audio fence Al spatial sound AEC (Auto echo cancellation) ANC (Al noise cancellation) AGC (Auto gain control)

Environmental Conditi	on
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	10% ~ 90% RH
Storage Humidity	10%~ 90% RH
Altitudo	Polow 5000 motors

Certification	
Safety	IEC 62368-1
EMC	Class B
Environment	Energy Star

3 years warranty

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.







