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 AI-enhanced audio algorithms

Built-in Seamless Speaker

4×10W+20W speaker
4.1 sound channel

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	SI07B

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 Dongle	WT13

Connectivity

I/O Ports (Interactive Display)	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
	TOUCH 2.0 × 1	USB 2.0 Type B
	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
I/O Ports (MT71E/MT71F PC Module)	HDMI OUT × 1	Up to 4K@30Hz
	USB 2.0 × 3	For external peripherals
	USB 3.0 × 3	For external peripherals
	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 Module)		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 AI spatial sound AEC (Auto echo cancellation) ANC (AI noise cancellation) AGC (Auto gain control)

Environmental Condition

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

Certification

Safety	IEC 62368-1
EMC	Class B
Environment	Energy Star

Warranty

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.