

MAXHUB Interactive Flat Panel

F5 Series Datasheet

The MAXHUB F5 Series is an advanced interactive display designed for modern education and hybrid learning. Powered by Windows, it delivers a familiar, secure, and highly compatible experience, enabling educators to run teaching tools with greater ease and stability. Its wide-angle camera supports remote and hybrid learning by capturing more of the classroom, while eye-care display technology and skywave sound system provide a healthier and more comfortable experience for both in-room and remote participants. Combined with responsive touch, precise writing, and efficient content sharing, the F5 Series makes every lesson more seamless, engaging, and productive.



Prominent Display

4K display, 10-bit color
High color accuracy, $\Delta E \leq 1$



SkyWave Sound System

2.2 channel speaker
2×12W+2×25W maximum



Peak Performance

Intel 13th CPU, 8GB RAM,
256GB ROM



Precious Touch

MAXHUB Think&Ink Technology
50 touch points, $\pm 1.5\text{mm}$ touch accuracy



Classroom Care

Hardware-grade eye care
TÜV Low Blue Light and
Flicker Free certification



Advanced Security System

Powered by Windows 11 Pro



Hybrid Learning

Multi-focus cameras provide
clear views of the classroom



Comprehensive Software Suite

MAXHUB EDU OS for Windows,
extensive education-tailored
applications

Display		
Model	F7550	F8650
Diagonal Size (inch)	75	86
Display Area	1650.24(H) × 928.26(V) mm	1909.04(H) × 1080.96(V) mm
Aspect Ratio	16:9	16:9
Resolution	3840(H)×2160(V)	3840(H)×2160(V)
Viewing Angle	178° (H/V)	178° (H/V)
Screen Level	A-Level	A-Level
Panel Type	Wide Viewing Angle Panel	Wide Viewing Angle Panel
Panel Brightness	400 nits (typ.) 450 nits (max.)	400 nits (typ.) 450 nits (max.)
Side-Viewing Brightness	≥ 1/3 of center brightness (±60°)	≥ 1/3 of center brightness (±60°)
Contrast Ratio	5,500:1 (typ.) 50,000:1 (dynamic)	5,500:1 (typ.) 50,000:1 (dynamic)
Color Depth	1.07B (10bit)	1.07B (10bit)
Color Gamut (typ.)	98% sRGB	98% sRGB
Color Accuracy	ΔE≤1	ΔE≤1
Glass	Zero parallax 3mm thickness 9H tempered	Zero parallax 3mm thickness 9H tempered
Surface Technology	Anti-glare, 25% haze	Anti-glare, 25% haze
Sensor	Ambient light sensor	Ambient light sensor
Eyes Care	TÜV Flicker Free TÜV Low Blue Light	TÜV Flicker Free TÜV Low Blue Light
Refresh Rate	60Hz	60Hz
Response Time	6.5ms	6.5ms
Backlight Unit	DLED	DLED
Backlight Life (typ.)	≥60,000 Hours	≥60,000 Hours

Touch System		Operating System (MT825 PC Module)	
Touch Technology	Infrared recognition	System	Windows 11 Pro
Touch Point	50 Points touch	CPU	13th Generation Intel® Core™ i5 Processor
Object Recognition Range	3mm	GPU	Intel® UHD Graphics for 13th Gen Intel® Processor
Accuracy	±1.5mm	RAM	8GB
Response Time	≤5ms	ROM	256GB
Writing Height	≤2mm	Microphone	
MAXHUB Think&Ink	Direct Annotation Multi-level Object Recognition Single Pen Dual Color	Quantity	8-mic array
System (Touch Return)	Windows/Android/Linux/Mac OS/Chrome	Pick-up Angle	180°
Audio		Pick-up Range	0~12m
Audio System	SkyWave Sound System	Feature	AI spatial sound
Sound Channel	2.2		AEC (Auto echo cancellation)
Speaker Power	2×8W+2×18W (output) 2×12W+2×25W (maximum)		ANC (AI noise cancellation)
Sound Pressure Level	88 dB (1m)		AGC (Auto gain control)

Connectivity			Camera	
I/O Ports (Interactive Display)	HDMI IN × 2	HDMI 2.1, up to 4K@60Hz, HDCP 1.4&2.2&2.3, CEC, ARC (ARC only supported in HDMI 1)	Quantity	× 5
	USB 2.0 × 1	For system upgrades	Resolution	60MP 8MP Panorama ×1 13MP Telephoto ×2 13MP Fusion Camera ×2
	USB 3.0 × 2	For external peripherals		
	Touch × 1	USB 2.0	FOV	Panorama: 145° DFOV, 128° HFOV, 77° VFOV Telephoto: 57° DFOV, 47° HFOV, 36° VFOV Fusion Camera: 151° DFOV, 132° HFOV, 55° VFOV
	USB Type-C × 1	Video and audio transmission, touch, LAN network sharing.	Photo Shooting	52MP (12544×4192)
	AUDIO OUT × 1	3.5mm jack	Video Recording	8K@10fps (8192×2733) 4K@25fps (3840×2160) 1080P@25fps (1920×1080)
	RS232 × 1	Baud rate 9600		
I/O Ports (PC Module)	HDMI OUT × 1	Up to 4K@60Hz	Feature	Person counting Random election Gesture recognition
	USB 2.0 × 3	For external peripherals		
	USB 3.0 × 3	For external peripherals	Environment	
	MIC IN × 1	3.5 mm Jack, input for microphone	Operating Temperature	0℃~40℃
	RJ45 × 1	3.5 mm Jack, input for microphone	Storage Temperature	-20℃~60℃
PC Module Slot		Module slot × 1	Operating Humidity	10%~90%RH
Wi-Fi Module Slot		Module slot × 1	Storage Humidity	10%~90%RH
Wi-Fi Module (SI07B)		Wi-Fi 6 supported 802.11ac/b/g/n/a/ax, 2.4GHz/5GHz	Altitude	Below 5000 meters
Bluetooth		5.2		

Power		
Power Supply	AC 100~240V 50/60Hz	AC 100~240V 50/60Hz
Power Consumption (standby)	≤0.5W	≤0.5W
Power Consumption (typ.)	100W	130W
Power Saving	Energy Star Certification	Energy Star Certification

Physical Specification		
Dimension (L×H×D)	1709.7×1041.8×97.9 mm	1957.5×1181.7×99.1 mm
Shipping Dimension (L×H×D)	1863×1156×185 mm	2110×1291×185 mm
Thickness of Machine and Wall Mount	123.6 mm (WIB9060H)	125.8 mm (WIB9060H)
Wall-hanging Screw	M8×25mm	M8×25mm
VESA	800×400	800×600
Net Weight	40.7 kg	57.9 kg
Gross Weight	51.4 kg	70.6 kg

Accessories	
Sound Pressure Level	3m×1
HDMI Cable	3m×1
Stylus	SW30×2
Wall Mount Strip	×2
Wall Mount Plate	WIB9060H×1

Where Inspiration Moves Ahead