Specification of Interactive Flat Panel



Series: Interactive flat panel

Product model: 110M7A

Version: V1.0

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Special Instructions

- Due to the influence of product configuration and manufacturing process, there may be differences in the actual body size/body weight. Please refer to the actual product for the accurate information.
- The product illustrations in this specification are for reference only. The actual product effects (including but not limited to appearance, color, and size) may vary slightly. Please refer to the actual product for the accurate information.
- To ensure the accuracy of the information, we reserve the right to revise the written descriptions, pictures, and other contents without prior notice. All adjustments aim to match the actual performance and specifications of the product.
- The performance of the product may be affected by the usage environment, including but not limited to factors such as temperature, humidity, altitude, etc. It is recommended to use the product under the officially recommended environmental conditions.
- The product comes with a warranty card, which together with the purchase receipt, shall serve as a valid basis for warranty. Free repair services can be enjoyed within the warranty period (excluding damages caused by force majeure or improper use).

1.Product features

- Unique gunmetal-colored metal narrow frame integrated with zero-lamination technology; 4K ultra-high definition display delivers a borderless visual impact.
- 110-inch giant screen view, enabling unbounded collision of ideas.
- 3.2mm anti-glare tempered glass, with a service life of 50,000 hours, and reliable and stable performance to meet durability requirements.
- 1.07 billion-color display, paired with 95% NTSC ultra-high color gamut to restore the real visual world.
- 40-point touch, high-precision touch (±1mm), and 8ms fast response, ensuring a smooth writing experience.
- Dual-system support: built-in Android 13.0 intelligent system and optional modular Windows system, allowing one-click easy switching.
- 48MP AI camera, supporting sound source localization and a 115°ultra-wide angle, capturing more details.
- 8-channel array microphones with 12-meter long-distance sound pickup for clear calls; 60W powerful sound delivers an immersive audio experience.
- Supports full-channel annotation and multi-point writing, simulates real writing stroke effects, and provides a free remote collaborative whiteboard function.
- Supports wired and wireless screen mirroring; when used with the new Type-C screen synchronizer, it enables one-click 4K screen synchronization with synchronized audio and video.
- Equipped with 2.4G/5G dual-band dual network cards, supporting simultaneous use of wireless Internet and WiFi hotspot.
- Customizable welcome page and a large number of templates to meet different usage scenarios.
- Multiple applications including timer, voter, and tag, with easy operation.

Main Specifications

1.1 Overview

Certified model	110M7A
Display	
Size	110"
Backlight Type	D-LED
Resolution(pixels)	3840×2160(UHD)(RGB)
Brightness	450cd/m²
Contrast Ratio	1200:1 (standard) 5000:1 (optional)
Response Time	8ms
Pixel Pitch(mm)	0.6345(H)x0.6345(V)
Refreshing Frequency	120Hz
Viewing Angle	178°(H) / 178°(V)
Color Gamut(x% NTSC)	95%
View Area(mm)	2436.48(H)x1370.52(V)
Display Colors	1.07B(10bit)
Life Time	50,000 hrs
System Properties	
OS	Android 13.0
Number of CPU cores	8
CPU Architecture	Cortex A76×4+A55×4
CPU Working Frequency	Max 2.4GHz for big and 1.8GHz for little
GPU	ARM Mali-G610 MP4
RAM	16GB
ROM	256GB

Power	
Power Requirements	AC 100V ~ 240V, 50/60 Hz
Maximum power (Without OPS)	820W
Standby Condition	<0.5W
Power (AC) Input	×1
Camera	
Pixels	48MP
FOV	H102.1°, D114.9°
AI Camera(active open required)	Sound localization
	Intelligent framing
Array Mic	
Array quantity	8-mic
Pick up Area	12m (Angle: 180°)
AEC	Support
AGC	Support
Speech enhancement	Support
Function	
Audio power	20W×2+20W subwoofer
Wi-Fi	Wi-Fi 6+Wi-Fi 5
Bluetooth	BT5.2
Sensor	Infrared, NFC, radar and hall sensor
NFC	
Standard	ISO/IEC 14443 A / ISO/IEC 14443 B
Supported card type	MIFARE and FeliCa
Read/Write distance	<30mm
Read/Write speed	106 To 424kbps
Read/Write latency	<100ms

Input/Output interface		
Front Interface	USB 3.0	×2
	Type-C	×1
Mainboard Interface	HDMI IN	×2
	HDMI OUT	×1
	USB 3.0	×1
	Public USB 3.0	×2
	Touch	×1
	OPS card slot	×1
	SPDIF	×1
	LAN	×2
	RS232	×1
	POE	×1
Environment		
Operating temperature		0℃ ~ +40℃
Storage temperature		-10℃ ~ +60℃
Operating humidity		20% ~ 80% RH Non-Condensing
Storage humidity		10% ~ 80% RH Non-Condensing
Operating altitude		≤5000m
The longest service time		18 Hours×7 Days
Structure		
Net Weight		134kg±1.5kg
Gross Weight		184kg±1.5kg
Product Size(W×D×H)		2508mm×113mm×1484mm
Package Size(W×D×H)		2700mm×325mm×1756mm
Housing Material		Aluminum/Metal plate
Housing Color		Dark gunmetal-color/Black

VESA	6×M8 Screw Hole 800mm×1000mm
Accessories	
Stylus	×2
Remote Control	×1
Expansion screw	×8
Wall Mount	×1
Instruction	×1
Qualified Certificate Label/Warranty Card	×1
3m Power Cord	Europe Standard × 1, American Standard × 1, Saudi Arabia + Britain Standard×1

3.Touch and writing system

3.1 Overview

- High precision of infrared touch frame, resolution by interpolation algorithm can be as high as 32768*32768.
- Supports up to 40 touch points.

3.2 Specifications

Sensing Type	Infrared Touch Frame
Surface Protection	3.2mm Anti-Glare Toughened Glass
Infrared Touch points	Android: 20 Points; Windows: 40 Points
Response Time	≤8ms
Interpolation Resolution	32768×32768
Minimum Touch Object	Single touch ≥ 1.6mm
	Multiple touch ≥ 2mm
Output Mode	HID Standard
Theory Clicks	Unlimited
Connect Type	USB2.0 + UART
Voltage	DC+5V±5%
Power	≤2W

3.3 Systems and software

Support Multiple Touch	Windows 11/10/8/7, Android
Support Single Touch	Windows XP, Mac OS X, Linux, Chrome