

Specification of interactive flat panel



Product Categories: Interactive flat panel

Product Model: 86M5APro

Date: 2022.2

1. Product characteristics

1.1 System properties

- Equipped with Android 11 Smart OS and a unique 4K UI user interface design;
- 8GB internal cache + 64GB internal storage, for faster operating speeds;

1.2 Exterior and smart touch

- Gun-color business appearance, four-corner arc design, safe and reliable; front USB interface that can be shared by dual systems, convenient operation;
- There are 2 USB ports available in the front of board which support dual operating system, and 1 Type-C port, which is convenient to operate;
- The distance between the tempered glass and the screen is close to 0, which can effectively prevent light reflection, the display effect and the writing experience are excellent;
- High-precision infrared touch frame, touch accuracy ± 1 mm, support 20-point touch, high sensitivity;
- With OPS interface, it can expand dual system; dual network port design can realize switch function;
- The distance between the toughened glass and the screen is close to 0, effectively preventing light reflection, excellent display effect, and excellent writing experience;

1.3 Whiteboard writing

- Support single-point and multi-point writing, writing with a pen tip, adding colored pen effects, etc., any channel and any interface can be annotated;
- Adopt 3.2mm AG anti-glare tempered glass, Mohs hardness level 7, better writing experience;

1.4 Conference & Training

- Built-in 13 Megapixel camera and 6-channel array microphone, making remote meetings more convenient and efficient;
- Built-in NFC function, with smart pen, the whiteboard function can be called up at any time;
- Built-in 2.4G/5.8G dual-band dual-network card, supports simultaneous use of wireless Internet access and WIFI hotspot, and the antenna adopts a front hidden design;
- Bluetooth function, which can wirelessly connect to Bluetooth devices such as mobile phones/stereos to transmit data; and supports wireless connection with printing devices for printing;

1.5 Commercial Display

- High-definition image processing engine: image motion compensation, color enhancement processing, point-to-point precision display technology;
- Full-channel output function: output real-time images with high-definition, stable and low-latency to the expansion device;
- Horion conference central management to meet the needs of different scenarios;

2.Main Specification Parameters

2.1 Specification overview

Display	
Certification	86M5APro
Size	85.6"
Backlight type	D-LED
Resolution	3840*2160
Brightness	350cd/m ²
Contrast ratio	1200:1
Response time	8ms
Pixel pitch	0.4935mm*0.4935mm
Refreshing frequency	60Hz
Viewing angle	178°(H) / 178°(V)
Color gamut(x% NTSC)	72%
View area	1895.04mm*1065.96mm
Display colors	1.07B(10bit)
Life time	30,000 hrs
System	
Solution	MT9950
Operation system	Android11
CPU Architecture	ARM A73
CPU Working Frequency	1.8GHz
CPU Core	Quad Core
GPU	Mali-G52
RAM	8GB
ROM	64GB
Power	
Voltage	100 V ~ 240 V/AC, 50/60 Hz

Power consumption without OPS	380W
OPS Power	18V(DC)/5A
Power consumption in standby mode	<0.5W
Power (AC) input	*1
Camera	
Pixel	13M
FOV	DIAGONAL $85.4 \pm 3^\circ$
Focus form	Fixed focus
Array Mic	
MIC Category	8 pcs omnidirectional silicon wheat
Pick-up Distance	8m
Pick-up Angle	180°
Function	
Audio Output Power	10W * 2
WIFI	Support
NFC	Support
Bluetooth	Support Bluetooth5.0
Interface	
HDMI-IN	*2
DP-IN	*1
VGA-IN	*1
Audio-IN	*1
USB 2.0	*1
USB 3.0	*4
Touch-USB	*1
MIC-IN	*1
SPDIF-OUT	*1
HDMI-OUT	*1

Audio-OUT	*1
Type-C	*1
RS232 In	*1
Environment	
Working Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 60°C
Working Humidity	20% ~ 80%
Storage Humidity	10% ~ 80%
Work Altitude	≤5000m
The longest service time(Hour*Day)	18Hours*7days
Structure	
Net Weight	68kg ± 1.5kg
Gross Weight	85.5kg ± 1.5kg
Product Size (W*D*H)	1967.65mm*87.28mm*1160.15mm
Package Size (W*D*H)	2160mm*225mm*1310mm
VESA	4*M8 Screw Hole 600mm*400mm
Housing Material (Surface Frame /Back Cover)	Aluminum/Sheet Metal
Housing Color (Surface Frame /Back Cover)	Gray(White)/Black
Accessories	
Pen	*2
Remote Control	*1
Expansion Screw	*8
User Manual	*1
Certificate of quality/Warranty card	*1
HDMI Cable	*1
Touch Cable	*1
Power Cable	*1

3.Touch Frame Specifications

3.1 Product Overview

- High precision of infrared touch frame, resolution by interpolation algorithm can be as high as 32768*32768;
- Support Plug and Play;
- Support 20 Points Infrared Touch;

3.2 Main specification parameters

Sensing Type	Infrared Touch Frame
Surface protection	3.2mm AG Toughened glass
Response Time	<8ms
Touch Accuracy	More than 90% of the touch area of plus or minus 1mm
Minimum Touch Diameter	≥1.6mm(Single-point) ≥2mm(Multi-point)
Number of theoretical clicks	Unlimited
Interface Type	USB
Working Voltage	DC+5V±5%
Power Consumption	≤2W

3.3 Operating system and software

Multi-touch supported operating system	Multi-touch: Windows 7/8/10、Android、Linux Single-touch: Windows XP、Mac OS X、Chrome
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