

Product Description:Interactive Whiteboard
Model:TMK5514

Instruction manual for teaching conference all-in-one machine

Product description and function
description



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Safety Warning

1. Place

Do not place the machine in a place that is unstable, prone to tilting or falling;
Do not place the machine near direct sunlight or other strong light sources;
Do not place the machine next to equipment with strong radiation;
Do not place the machine in a wet or dripping place;
Do not insert anything into the machine;
Do not place heavy objects on the machine.

2. Power supply

Please check and make sure that the voltage value on the nameplate on the rear shell matches the main power supply voltage value;
In thunder and lightning weather, please unplug the power cord;
When there is no one in the room or when it will not be used for a long time, please unplug the power plug;
Please protect the power cord from physical or mechanical damage;
Please use a dedicated power cord, do not modify or extend the power cord;
Please check and make sure that the ground wire of the AC power cord is connected;
The standard power cord of this device is only suitable for the touch all-in-one device sold by our company, please do not use it for other devices.

3. Screen

Do not use hard or sharp objects to write on the screen;
When cleaning is required, please unplug the power plug first;
Please wipe the screen with a soft, dust-free and dry cloth;
Do not wash the unit with water and spray cleaners;
Please contact the service center for internal cleaning of the machine;
Do not display high-brightness images on the screen for a long time.

4. Temperature

Do not place the machine near heating objects such as electric heaters or radiators or other heat sources;
When the machine is moved from a low-temperature area to a high-temperature area, in order to fully dissipate the condensation in the machine, please leave it for a period of time before turning on the power;
The normal working environment temperature of the machine is 0~40°C.

5. Humidity

Do not expose the machine to rain, humidity or near water;
Please ensure that the room is dry and cool, and the normal working humidity of the machine is 10%~90%.

6. Ventilation

Please place the machine in a ventilated place to ensure good heat dissipation of the machine;

Safety Warning

Make sure that the left, right and back of the machine is 10 cm away, and the space above 20 cm above the top is ventilated.

7. Earphone

Using earphones for a long time to listen to loud sounds can easily affect hearing; if you need to connect external earphones, please reduce the volume of the machine in advance.

8. Standby

The standby button on the fuselage will not completely shut down the machine, but only keep the machine in a standby state.

9. Battery

Discarded batteries after use of this machine must be properly disposed of and recycled;
Do not let children touch the battery, and do not throw the battery into fire to avoid danger.

10. Cleaning requirements

The rear case of this product has cooling holes. When cleaning, please do not spray or pour liquid directly on the rear case, or use a damp cloth to clean it.

11. Description of switch state

The product's mechanical switch "I" indicates the power-on state, and "O" indicates the power-off state.

12. Maintenance Precautions

Refer all servicing to qualified service personnel. When the device is damaged in any way, such as the power cord or plug is damaged, liquid is spilled or objects fall into the device, the device is exposed to rain or moisture or cannot operate normally, or falls to the ground, please contact the dealer for repair, and do not disassemble and overhaul.

Button Panel

1. Size: 55 inch



Buttons and interfaces	Functional description
POWER	Long press to switch on/off/short press for energy-saving mode, the machine is on (white or blue light)/machine off (red light)
Infrared Receiving Window	Remote control receiving window
TYPE-C	Data transmission
HDMI	HD signal input port
TOUCH	Touch signal output port
USB	PC/Android USB port

Button Panel

2. Size: 65 inch 75inch 86 inch 98 inch



Buttons and interfaces	Functional description
remote control reception	remote control receiving window
ambient light	According to the surrounding light intensity, the screen brightness will be automatically adjusted
TYPE-C	data transmission
HDMI	HD signal input port
TOUCH	Touch output interface
USB	Android/Computer USB input port
SOURCE	Signal source (switch signal channel)
MENU	Android menu settings
VOL+	volume up
VOL-	volume down
HOME	return to home page
ECO	energy saving mode

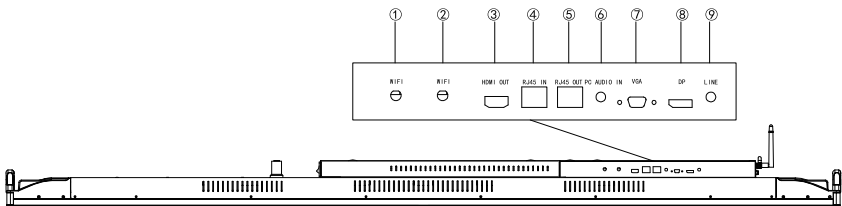
Button Panel

POWER	Long press to switch on/off/short press for energy-saving mode, the machine is on (white or blue light)/machine off (red light)
one click recovery	When the device has a Windows system, press and hold this key for 6 seconds after the OPS is turned on to restore the Windows system to the factory state

Display Port

1.Port A (the picture is for reference only, the actual object shall prevail)

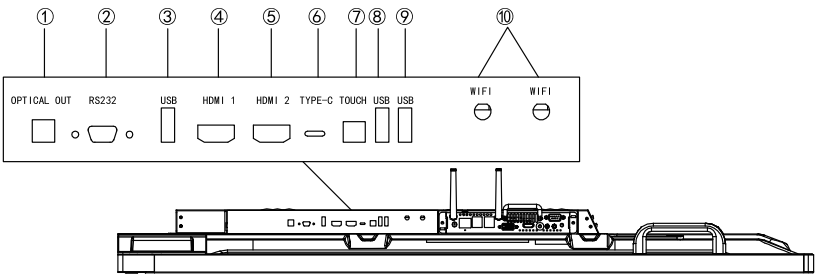
Back Bottom Interface



Port	Functional description
①② WiFi	Wi-Fi / Wi-Fi Hotspot
③ HDMI OUT	HD signal output port
④ RJ45 IN	network input port
⑤ RJ45 OUT	network output port
⑥ PC AUDIO IN	VGA video signal audio port
⑦ VGA IN	VGA input port, connected to other devices with
⑧ DP	DP signal input port
⑨ LINE OUT	audio output port

Display Port

Rear Side Interface

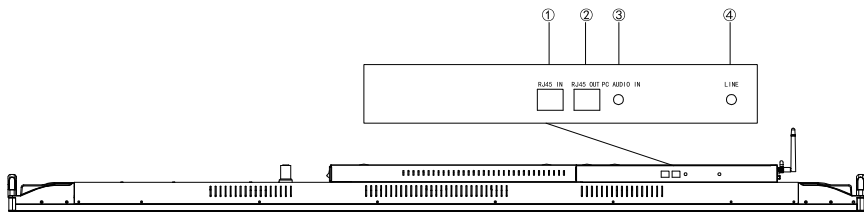


Port	Functional description
① OPTICAL OUT	fiber optic interface
② RS232	Serial debugging interface
③ USB	USB input/output
④⑤ HDMI IN	HD signal input / channel 1-channel 2
⑥ TYPE-C	data transmission
⑦ TOUCH	Touch signal output
⑧ USB	USB 2.0 I/O
⑨ USB	USB 3.0 I/O
⑩ WIFI	Wi-Fi / Wi-Fi Hots pot

Display Port

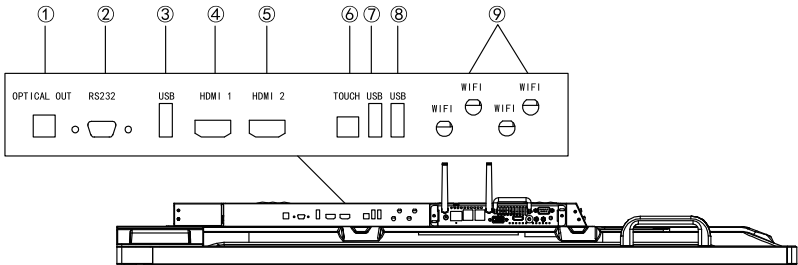
2.Port B (the picture is for reference only, the actual object shall prevail)

Back Bottom Interface



Port	Functional description
① RJ45 IN	network input port
② RJ45 OUT	network output port
③ PC AUDIO IN	VGA video signal audio port
④ LINE OUT	audio output port

Rear Side Interface

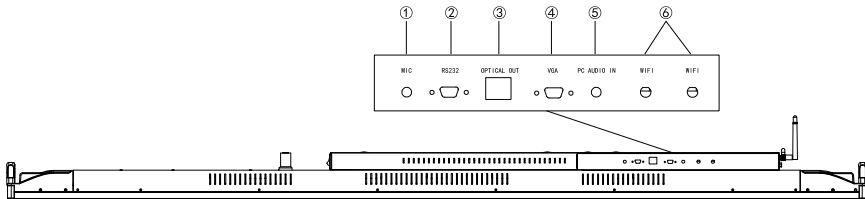


Port	Functional description
① OPTICAL OUT	fiber optic interface
② RS232	Serial debugging interface

Display Port

3.Port C (the picture is for reference only, the actual object shall prevail)

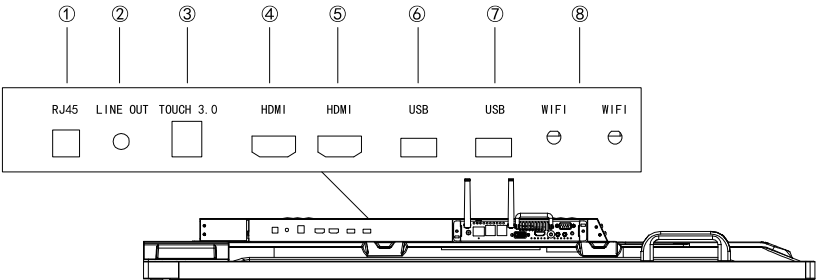
Back Bottom Interface



Port	Functional description
① MIC	microphone
② RS232	Serial debugging interface
③ OPTICAL OUT	fiber optic interface
④ VGA	VGA video signal port
⑤ PC AUDIO IN	VGA video signal audio port
⑥ WIFI	Wi-Fi / Wi-Fi Hots pot

Display Port

Rear Side Interface

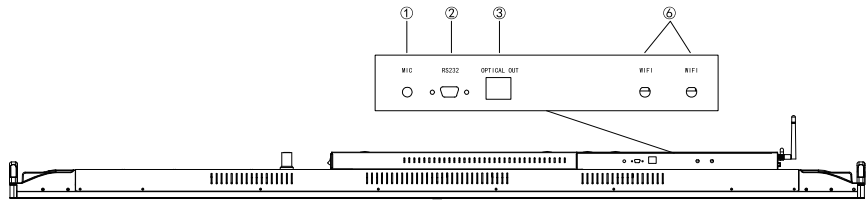


Port	Functional description
① RJ45	Network input interface
② LINE OUT	audio output port
③ TOUCH 3.0	Touch 3.0 signal output interface
④⑤ HDMI IN	HD signal input / channel 1-channel 2
⑥ USB	USB 2.0 I/O
⑦ USB	USB 3.0 I/O
⑧ WIFI	Wi-Fi / Wi-Fi Hots pot

Display Port

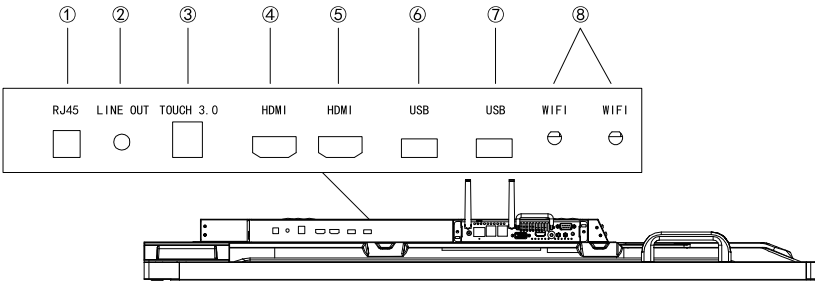
4.Port D (the picture is for reference only, the actual object shall prevail)

Back Bottom Interface



Back bottom interface	Functional description
① MIC	microphone
② RS232	Serial debugging interface
③ OPTICAL OUT	fiber optic interface
④ WIFI	Wi-Fi / Wi-Fi Hotspot

Rear Side Interface

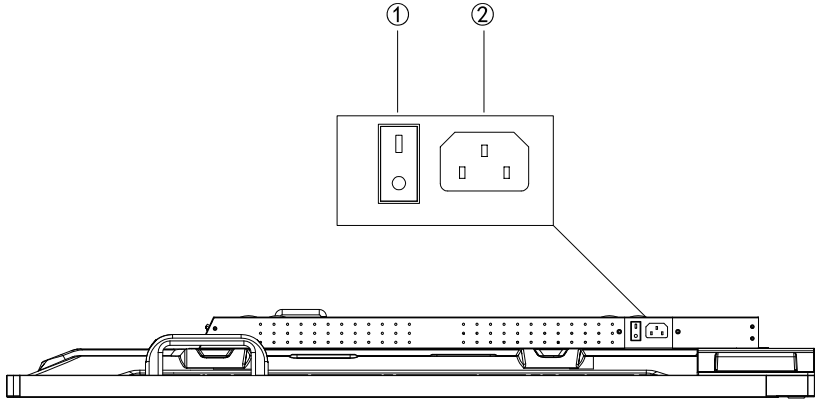


Port	Functional description
① RJ45	Network input interface

Display Port

② LINE OUT	audio output port
③ TOUCH 3.0	Touch 3.0 signal output interface
④⑤ HDMI IN	HD signal input / channel 1-channel 2
⑥ USB	USB 2.0 I/O
⑦ USB	USB 3.0 I/O
⑧ WIFI	Wi-Fi / Wi-Fi Hots pot

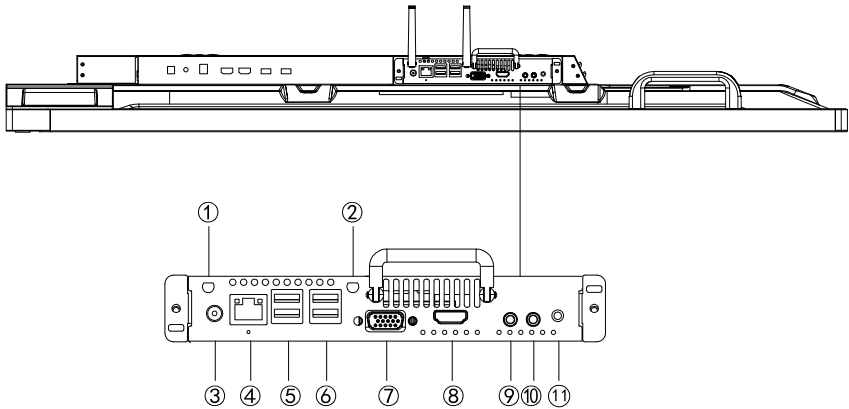
Power and Switches



port	Functional description
① AC socket	220V AC power input, machine power supply
② Boat type power switch	"I" means power-on state, "O" means power-off state

OPS Module Port

3. PC module port (OPS ports are different for different configurations, the actual object shall prevail)



①② WiFi	Wireless WiFi signal receiving antenna
③ DC	12V DC voltage input
④ LAN	Network interface, connect the RJ45 port to the Internet
⑤⑥ USB	Connect USB devices, such as USB keyboard and mouse, U disk, etc.
⑦ VGA OUT	Connect to a display device with VGA input capability
⑧ HDMI OUT	Connect to a display device with HDMI input function
⑨ AUDIO	audio output port
⑩ MIC-IN	Connect to sound capture device with microphone (for recording function)
⑪ RST	system reset

Note: When the whole machine does not have a PC module, the above interfaces are not included

System Software Instructions

According to the actual purchase system version configuration, scan the mobile phone to read the electronic version manual, two version configurations: dual-system conference version, dual-system education version.



Conference Edition System Instructions



Educational Edition System Instructions

FAQ

1. Why does fog often appear on the screen?

In order to ensure the safety of the screen, a layer of tempered glass is added to the outside of the screen, and in order to ensure heat dissipation, there must be a certain gap between the two, which is used to reserve air passages for air convection. The main reason for the fog is that there is a temperature difference between the screen temperature and the outside temperature, and the hot air condenses on the lower temperature glass surface to generate water mist. Water mist does not affect normal use. Generally, the mist will slowly evaporate and disappear after several hours of use.

2. Why is the multi-touch function of some devices unavailable?

First of all, the XP system does not support multi-touch. If it is a WIN7 system, no matter the external computer or the built-in computer needs to install the system of Home Premium or above to support multi-touch.

3. No sound from the external laptop device?

If it is connected by a VGA cable, it is only for image transmission, and an audio cable needs to be connected; also, only an audio cable is connected, but no sound can be produced, and a VGA cable needs to be connected to identify the VGA channel or an HDMI cable can be selected for connection.

4. The equipped stylus is limited. Is there any object that can replace the stylus to write flexibly without scratching the screen? Fingers can be temporarily used instead of writing.

5. Is it normal that the screen feels overheated after using it for a period of time? Have bad influence?

It is normal for the screen to heat up, just like the TV at home, and there will be no adverse effects.

6. Will long-term use cause damage to the eyes?

The human eye recognizes flicker at 50Hz, and the human eye can detect it below 50Hz. The eye muscles are constantly adjusting to adapt to the flicker, which causes eye fatigue. We use a 60Hz LCD screen, so the human eye can't actually feel our screen. Flickering, it can reduce eye fatigue to a great extent compared to other similar products.

Easy Troubleshooting

Abnormal boot

01、 Automatic shutdown

1. Check whether the timer shutdown or sleep function is turned on;
2. Check the channel where the input source is located, if there is no signal, it will cause automatic shutdown;
3. Check for power stability.

02、 Light does not shine

1. Check whether the power supply is normal;
2. Check whether the rocker switch of the machine is turned on.

03、 The indicator light is red and cannot be turned on

1. The indicator light is red and cannot be turned on

Abnormal computer function

01、 The image lacks color and the color is abnormal

1. If you use an external computer, check whether the VGA cable is not connected properly or has quality problems.

02、 The display screen is not full of screen or out of range

1. If you use an external computer, check whether the resolution of the computer is 1920*1080 when plugging or unplugging the VGA cable.

Abnormal sound function

01、 The device has a picture but no sound

1. Please try to adjust the volume;
2. If the all-in-one uses an external computer, check whether the audio cable is connected correctly.

Abnormal touch function

01、 The touch positioning is not allowed

1. Check whether the touch pen or finger touches the screen vertically at 90 degrees;
2. Check whether there are other items touching the screen, such as small notes, sleeves.

02、 The touch function is invalid

- 1.If the all-in-one uses an external computer, check whether the external touch line is connected correctly.

Maintenance

Correct maintenance and maintenance can avoid some simple failures;

Regular and careful cleaning can keep the machine in good appearance and operating condition;

Please unplug the power plug before cleaning and maintenance to prevent electric shock.

clean screen

1. Please mix a little fabric softener or detergent with warm water and stir well;
2. Please use a soft cloth to completely soak in this mixture;
3. Please wring out the soft cloth and wipe the screen of the whole machine;
4. Wipe repeatedly (be careful not to let water drop into the device when wiping the device) to complete the cleaning steps.

clean face frame

Wipe with a dry, soft, lint-free fabric or towel.

Leaving or not using the device for a long time

When placing or not using the device for a long time, please unplug the plug and cut off the power supply to prevent damage to the device due to external power fluctuations such as lightning.

Special Statement

- 1. Intellectual property rights statement: The hardware design and software program of this product are protected by copyright. If you copy the content of this product and the manual without the authorization of our company, you will bear the corresponding legal responsibility.
- 2. The content in this manual is for reference only and does not constitute any form of commitment.
- 3. The company reserves the right to improve and change the product design without prior notice.

Product Quality Assurance Card

Respected User:
First of all, thank you for choosing our company's products. In order to make our service more satisfactory to you, please read this instruction carefully and keep this quality assurance card properly after purchase.

Instructions Section:

- 1, The information on this quality assurance card must be filled in completely and stamped by the final direct dealer. If there is no seal, please find the original place of purchase to replace it to protect your rights, otherwise the company will not be responsible for the guarantee.
- 2, Under normal use conditions, the company implements free warranty service and life-long maintenance service for the product.
- 3, The so-called failure under normal use conditions refers to the failure caused by technical problems of the product or other non-human factors.
- 4, The so-called failure under normal use conditions refers to the failure caused by technical problems of the product or other non-human factors.
- 5, In the case of irresistible manpower or human-induced equipment failure, the company is responsible for maintenance after receiving the failure notice from the customer and charges the cost.
- 6, If there is any problem with the product you purchased, please contact your dealer for after-sales service.
- 7, In the process of using the company's system products, if the following situations occur, the company will not undertake the warranty obligation.
 - 01. The user damaged the product due to improper storage during transportation and use;
 - 02. The user caused damage due to improper operation;
 - 03. Damage caused by other non-quality problems;

User Fills in Information

User name		Date of purchase	
Contact person		Contact number	
Contact address			
Dealer name		Product name	
Product number		Serial number	

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.