ARMER BOARD INTERACTIVE DISPLAY

USER MANUAL

NOTE

All the pictures in this manual are for reference only, subject to our available products.

CONTENTS

Safety Warning

· Before operating, please read this manual thoroughly, and keep it for future reference.
· Image shown in this manual is indicative only.There may be differences between the pictures and the actual product, please prevail in kind.

Placement

· DO NOT put heavy objects on top of the unit.
· DO NOT put the unit near appliances that generate magnetic fields.
· DO NOT expose the unit to direct sunlight and other sources of heat.
· DO NOT place the unit on an unstable cart,stand,tripod,bracket,table,or shelf.
· DO NOT put any liquid near or on the unit, make sure do not spill any liquid inside the unit.

Power Supply

· Please keep power cable from physical or mechanical damage.
· Please check and ensure AC source is connected with the ground.
· This power cable comes with the device exclusively for this device only.
· Please unplug power supply when the weather is thunder- storm or lightning.
· Check that the unit's operating voltage is identical with your local power supply.
· Please use the original power cable from the accessory bag, don't modify or lengthen it.
· Please unplug power supply, when there is nobody home or the unit will be in idle for a long time.

LED Screen

· Unplug the power cable before cleaning.
· Clean the screen with a soft, dustless and dry cloth.
· For deep clean, please contact an authorized service center.
· Never use water or the spray type detergent to clean the unit.
· Never use any other hard or sharp object to replace the touch pen.
· Better for the panel lifetime and the display performance, do not display high brightness image for long time.

Temperature

· Normal operating temperature is 0 ~ 40℃.
· DO NOT place the unit near or over a radiator or a heater.
· If your unit is suddenly moved from a cold to a warm place, please unplug the power cable and do not turn it on at least 2 hours, making sure the moisture inside the unit is all evaporated.

Humidity

· DO NOT expose the unit in rain, or place in high humidity area.
· Please make sure indoor environment is dry and cool.
· Normal operating humidity is 10%~90% RH.

Ventilation

· Please put the unit in a well- ventilated place, so the heating can be released easily.
· Ensure that the unit has enough space for ventilation. Space requirement: left, right and back >10 cm, top > 20cm.

Earphone

· Before using earphone, please turn down the volume in advance.
· Using the earphone to listen loud sound for a long time might affect the hearing.

Standby

· It will enter standby mode but not turn off the unit after press the standby key.

Battery

· Please make sure the battery gets proper disposal or recycle after using.
· Please keep the battery away from kids and don't throw the battery into fire.
· Caution risk of fire or explosion if the battery is replaced by an incorrect type.

Notes for Cleaning

· There are vents on back cover, please do not use any liquid or spray directly during cleaning.

Power Switch Status Signs

· "I" means power on, "O" means power off.

Notes for Maintenance

· This machine can only be maintained by certified engineer.

FCC Statement

· 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.

FCC Warning

· 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.
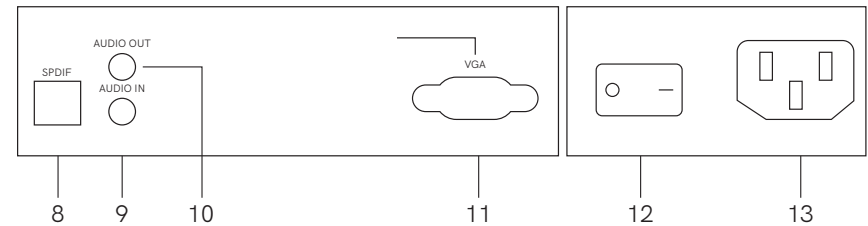
Control Panel

1.Prepare to Install
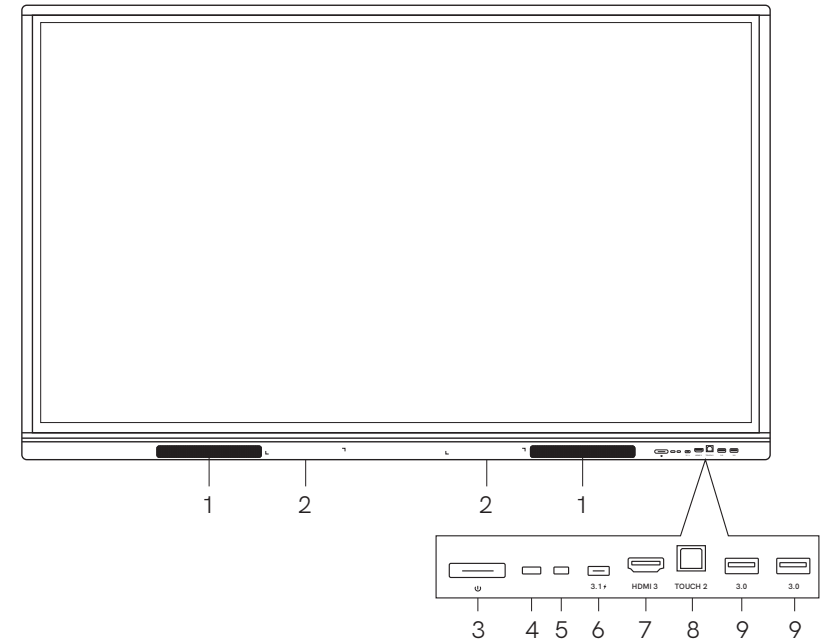
Number	Items	Function description
1	Loudspeake r	Amplify audio
2	Magnetic zone	Area for placing the absorptive magnetic pen.
3	⏻	Tap to enter energy- saving, press at least 2 seconds to enter standby mode.
4	Remot e control signal receiver	Receive the remote signal.

Number	Items	Function description
5	Light Sensor	Identify the brightness of ambient light.
6	3.1	Support charging, data transmission, extension for audio and video output interface, etc. Note:The maximum rated power of the USB Type - C port of this product is 65 W. When using this port to charge electronic devices, the charging power of the electronic device cannot exceed the rated power of this port. If the charging power of the electronic device exceeds the rated charging power of this port, please Do not directly use this port for charging.
7	HDMI 3	High-definition multimedia interface signal input, connect to devices with HDMI output interface（personal computer with HDMI output, set-top box, or another video device）.
8	TOUCH 2	Touch signal output to the external computer.
9	3.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.

2．Terminal Interface

RS232　　LAN　　3.0　3.0　　TOUCH 1　　　HDMI 1　　HDMI 2　　HDMI OUT　　2.0

1　　2　　3　　4　　　5　　5　　6　　7

SPDIF　AUDIO OUT　AUDIO IN　　VGA

8　9　10　　　11　　12　　13
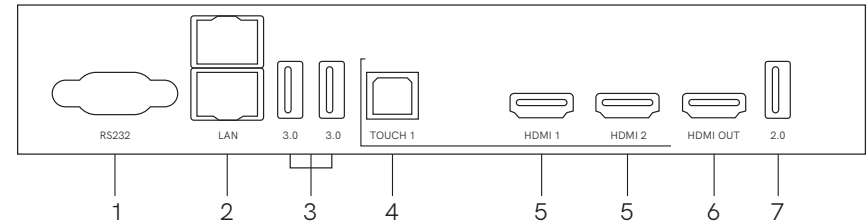
| Number	Items	Function description
1	RS23 2	Serial interface, used for mutual transfer of data between devices.
2	LAN	Connect RJ45 terminals.
3	3.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB-drives, etc.
4	TOUCH 1	Touch signal output to the external computer.

Number	Items	Function description
5	HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device).
6	HDMI OUT*	Connect to the devices with HDMI input function.
7	2.0	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
8	SPDIF	Carry multichannel sound via optical signals.
9	AUDIO IN	External computer audio input.
10	AUDIO OUT	Audio output to the external speaker.
11	VGA	External computer image input.
12	AC SWITC H	To open or shut down AC power supply. "I" means power on, "O"means power off.
13	AC IN	AC power input, connect AC power supply.

Note: 【 * 】 indicates that this terminal is optional.

Connection and Setting

⚠ For the safety of you and the machine, please do not connect any power plug before connection.

1. External Computer and Touch Connection
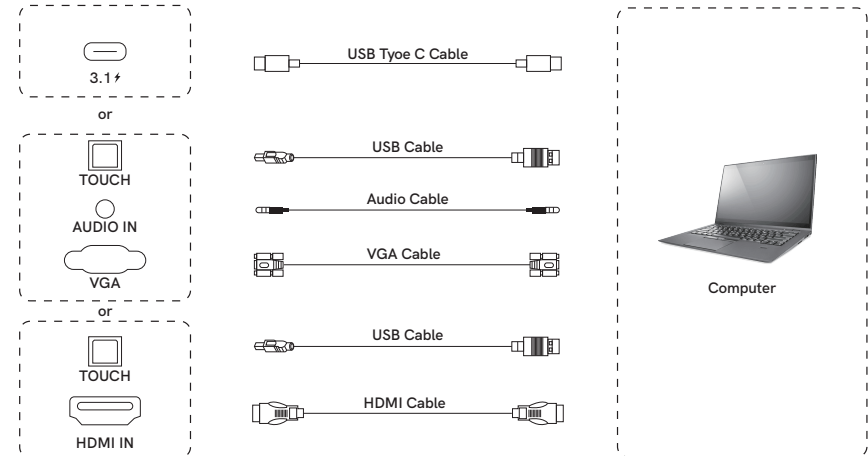
1.1 Use USB Type - C cable to connect the computer(Or use VGA cable to connect to VGA output port of external computer, and meanwhile use headphone audio cable to connect to external computer audio output interface and use USB cable to connect to external computer USB port. Or use HDMI cable to connect to HDMI output port of external computer and use USB cable to connect to external computer USB port).

1.2 After cable connection, plug in power cord, and switch power on.

1.3 Start external computer.

1.4 Press ⏻ key, and the equipment is power on.

1.5 Switch the input source to the USB Type - C/ VGA/ HDMI channel in the main menu.

! NOTE:
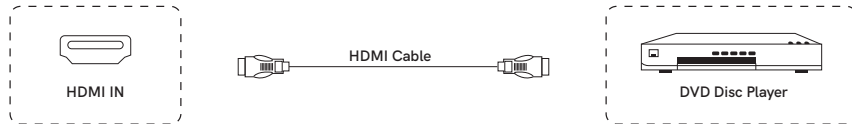External computer input, equipmens best resolution is 3840*2160.

Recommended computer configuration :

1 GB Available Hard Drive
2 .0 GHz Processor, 1 GB Memory More than 256 color display cards
USB Type - C/ VGA OUT / HDMI OUT, Audio- OUT, USB Interface

Support Resolution :
800 × 600, 1024 ×768, 1920 × 1080, 3840 × 2160

2. Audio and Video Equipment

| HDMI IN | HDMI Cable | DVD Disc Player |

2.1 Use HDMI cable to connect audio and video equipment with HDMI output.

2.2 After cable connection, plug in power cord, and switch power on.

2.3 Press ⏻ to turn equipment on.

2.4 Switch the input source to the HDMI channel in the main menu.

3. Audio and Video Equipment

| HDMI OUT | HDMI Cable | Projector |
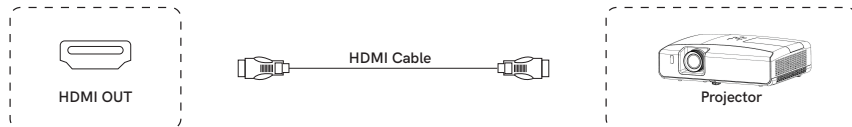
3.1 Use HDMI cable to connect audio and video equipment with HDMI input.

3.2 After cable connection, plug in power cord, and switch power on.

3.3 Press ⏻ to turn equipment on.

4. RS232 Connection

| RS232 | Serial Port Cable | Computer |
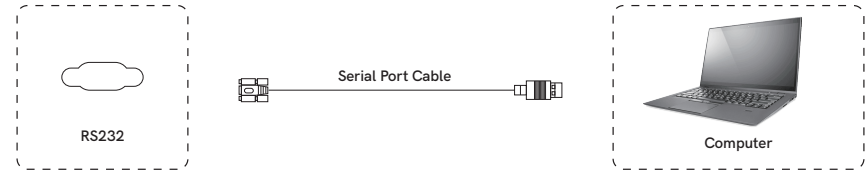
After using serial port cable to connect central control equipment and machine, certain function of the machine can be controlled via central control equipment, such as: machine ON/ OFF, and adjustment of sound volume, etc.

5. LAN Connection

| LAN | Network Cable | Internet |

6. USB Connection

| USB | USB Cable | USB Device |
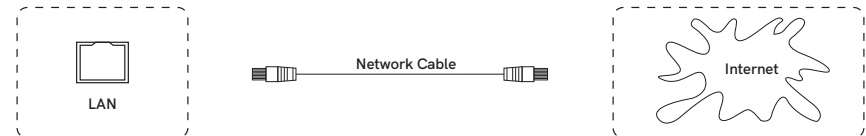
7. AUDIO OUT Connection

| AUDIO OUT | Audio Cable | |

Simple Troubleshooting

Machine Fails to Work Normally

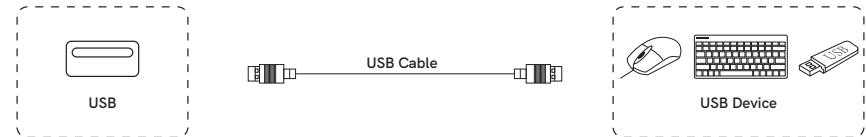|	
Remote control failure	Check whether there are other objects between remote control and equipment control receiving window, thus leading to failure of remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether remote control needs to replace battery.
Machine automatically shut down	Whether set sleep or not.
	Check whether there is sudden power outage.
	The system will automatically shut down if the interactive intelligent. Panel 's exter-nal channel loses signal for 5 minutes. Please check the input and connection of the signal.

PC Mode

Signal out of range	Check whether display is set correctly.
	Check whether resolution is the best resolution.
	Adjust line and field synchronization in menu.
Background has vertical lines or streaks	Select automatic correction in menu. Adjust clock and phase position in menu.

Image lack of color, color is incorrect	Check whether VGA is not well connected or has quality problem.
	Adjust chromatic and brightness or contrast in menu.
Display format that is not supported	Select automatic correction in menu.
	Adjust clock and phase position in menu.

Touch Function

Touch function invalid	Check whether the size of article touched is comparable with finger.
Touch positioning not correct	Check whether touch pen is facing the screen.

Video Function Can't Work Normally

No picture and no sound	Check whether the machine is started state.
	Check whether signal wire is well plugged, whether INPUT is corresponding to it.
	If in internal computer mode, check whether internal computer is started.
With horizontal or vertical stripes or image dithering	Check whether signal wire is well connected.Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak, or image is weak	Adjust chromatic and brightness or contrast in menu.
	Check whether signal wire is well connected.

Audio Function Can't Work Normally

With image but without sound	Check whether mute button is pressed for mute.
	Press VOL + / - to adjust volume.
	Check whether audio line is connected correctly.
Only one speaker has sound	Adjust sound balance in menu.
	Check whether computer sound control panel only sets up one sound channel.
	Check whether audio line is connected correctly.
HDMI output without sound	Check whether connect external device.

Maintenance

· Proper maintenance can avoid many early faults and regular careful cleaning can make machine brand new.
· Please unplug power plug before cleaning and maintenance, to prevent electric shock.

Clean Screen

· Please mix and stir even a little fabric softener or tableware detergent with alcohol.
· Please use a soft cloth to be completely soaked in the mixture.
· Please take out cloth and twist to half dry state to wipe machine screen.
· Repeat for several times, pay attention not to squeeze water flow into machine when wiping machine.

Clean Face Frame

· Please use dry, soft, lint-free cloth to wipe front frame.

No Use of Machine for A Long Time

· In case of no use of machine for a long time, such as holiday, please make sure to unplug the plug to prevent any possible dangers caused by power supply ripple from lightning.

Intelligentes Konferenz- Tablet Bedienungsanleitung

I. Anschlüsse und Funktionen

Alle Abbildungen in dieser Bedienungsanleitung dienen nur als Referenz. Das eigentliche Produktist maßgebend.
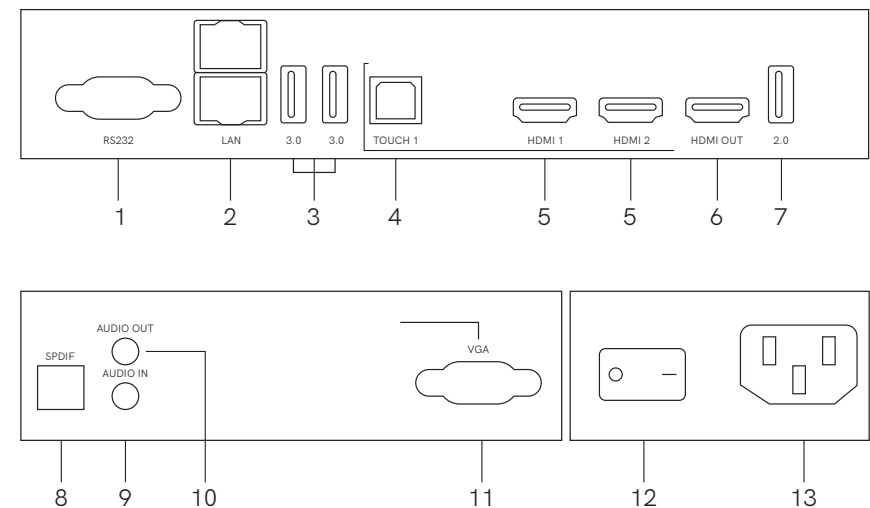
SN	Anschlüsse	Funktionsbeschreibung
1	RS232	Anschluss für zentrale Steuereinheit mit RS232 -Schnittstelle
2	LAN	Netzwerkschnittstelle, Anschluss für RJ45- Klemme
3	3.0	Anschluss für USB-Geräte, z.B. mobile Festplatte, USB-Stick, USB-Tastatur und - Maus
4	TOUCH	Schnittstelle für Ausgang von Berührungssignalen
5	HDMI IN	HDMI-Signaleingang (High Definition Multimedia Interface) zum Anschluss an einen Computer, eine Decoder-Box oder ein anderes Videogerät mit HDMI-Ausgang
6	HDMI OUT (Optional)	HDMI-Signalausgang (High Definition Multimedia Interface) zum Anschluss an Displaygeräte mit HDMI-Eingang
7	2.0	Anschluss für USB-Geräte, z.B. mobile Festplatte, USB-Stick, USB-Tastatur und - Maus
8	SPDIF	Übertragung vom Mehrkanal-Ton über optische Signale
9	AUDIO IN	Anschluss für Geräte mit Audio-Ausgang
10	AUDIO OUT	Anschluss für Geräte mit Audio-Eingang

SN	Anschlüsse	Funktionsbeschreibung
11	VGA	Schnittstelle zur Bildeingabe
12	Netzschalter	Kippschalter zum Ein- und Ausschalten der AC -Stromversorgung. "I" steht für Einschalten und "O" für Ausschalten
13	Steckdose	AC-Eingang, Anschluss an AC-Stromversorgung

II. Einfache Fehlerbehebung

1. Automatische Abschaltung

Prüfen Sie, ob der Kanal, auf dem sich die Eingangsquelle befindet, in Ordnung bleibt. Bei fehlendem Signal erfolgt eine automatische Abschaltung. Prüfen Sie, ob die Stromversorgung stabil bleibt.

2. Die Anzeigenleuchte leuchtet nicht

Prüfen Sie, ob die Stromversorgung gewährleistet ist.
Prüfen Sie, ob der mechanische Schalter des Flachbildschirms ordnungsgemäß funktioniert.

3. Die Berührungen werden nicht richtig erkannt

Prüfen Sie, ob der Berührungsstift oder der Finger 90 Grad senkrecht steht. Prüfen Sie, ob noch andere Gegenstände mit dem Bildschirm in Berührung kommen, z. B. kleine Papierstreifen, Ärmel.

Tabletted'affichage
intel ligentepourconférence
Mode d' emploi

l Fonction du terminal

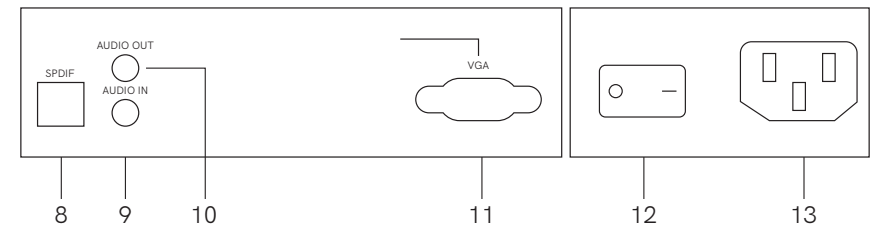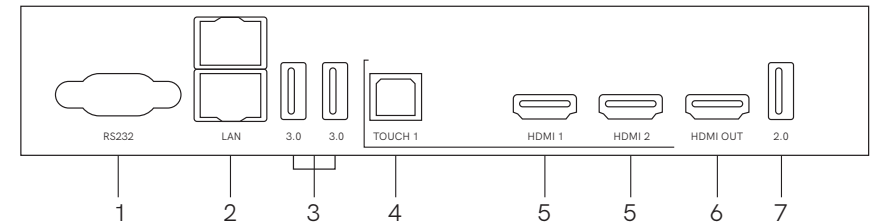*Toutes les images de ce mode d'emploi sont à titre indicatif et sont sujettes à une utilisation réelle*
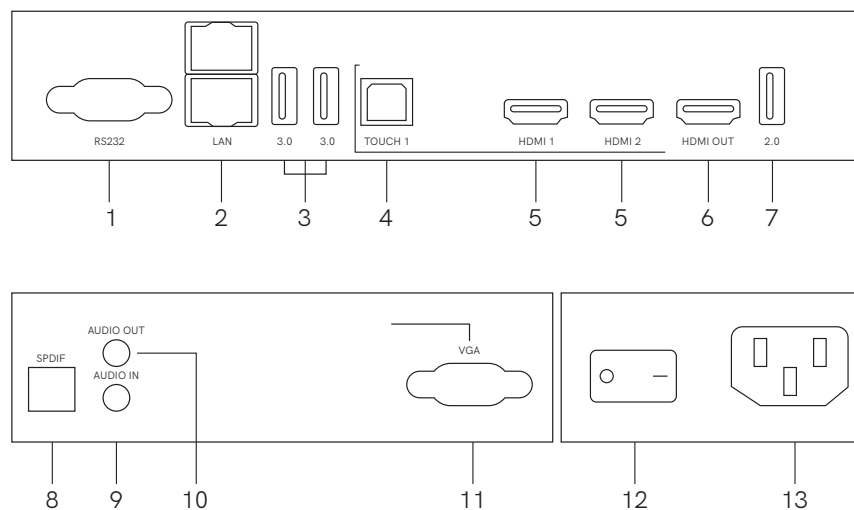
N°Série	Désignation	Description de Fonction
1	RS232	Connexion à des dispositifs de contrôle central équipés de l'interface RS232
2	LAN	Interface réseau, connexion au terminal RJ45
3	3.0	Connexion à des périphériques USB tels que disque dur mobile, clé USB, clavier et souris USB, etc.
4	TOUCH	Sortie pour l'interface du commande tactile
5	ENTRÉE HDMI	Entrée pour l'interface multimédia HD, pour les ordinateurs, les décodeurs ou autres appareils vidéo avec sortie HDMI
6	SORTIE HDMI (optionnel)	Sortie pour l'interface multimédia HD, pour les dispositifs d'affichage avec entrée HDMI
7	2.0	Connexion à des périphériques USB tels que disque dur mobile, clé USB, clavier et souris USB, etc.
8	SPD IF	Transmission du son multicanal par lumière
9	ENTRÉE AUDIO	Connexion à des appareils avec sortie audio
10	SORTIE AUDIO	Connexion à des appareils avec entrée audio

N°Série	Désignation	Description de Fonction
11	VGA	Interface d 'entrée d ' image
12	Interrupteur	Interrupteur d 'alimentation pour allumer et éteindre l 'alimentation en courant alternatif (AC) de la tablette, "I" pour allumer, "O" pour éteindre.
13	Prise électrique	AC-Eingang, Anschluss an AC-Stromversorgung

l l Dépannage rapide

1. Arrêt automatique

Vérifiez l'accès de la source d'entrée, l'absence de signal provoquera un arrêt automatique.
Vérifiez la stabilité de l'alimentation électrique

2. Le témoin lumineux reste éte int

Vérifiez sil'alimentation électrique fonctionne normalement Vérifiez sil'interrupteur mécanique de la tablette fonctionne normalement

3. Imprécision du toucher

Vérifiez que le stylo tactile ou le doigt est à 90 degrés de la verticale.
Vérifiez qu'aucun autre objet ne touche l'écran, par exemple de petits morceaux de papier ou la manche.

pantal la plana intel igente para conferenc ias
Manua l de usuar io

l . Funció nd epuerto

Todas las figuras de este manual son solo de referencia y prevalecerá el producto real.

Número	item	Descripción de funciones
1	RS232	Conexión de un dispositivo de control central con una interfaz RS232
2	LAN	Interfaz de red, conectar al terminal RJ45
3	3.0	Conecte dispositivos USB, como disco duro móvil, disco U, teclado y ratón USB, etc.
4	TOUCH	Interfaz de salida de se ñal táctil
5	HDMI IN	Entrada de señal de interfaz multimedia de alta definición, conéctese a un ordenador, STB u otro equipo de vídeo con salida HDMI
6	HDMI OUT (OPCIO NAL)	Interfaz de salida de se ñal multimedia de alta definición, conéctese al equipo de visualización con entrada HDMI
7	2.0	Conecte dispositivos USB, como disco duro móvil, disco U, teclado y ratón USB, etc.
8	SPD IF	Transmisión de sonido multica-nal a través de señal óptica
9	AUDIO IN	Conectar a un dispositivo con salida de audio
10	AUDIO OUT	Conexión a un dispositivo con capacidad de entrada de audio

Número	item	Descripción de funciones
11	VGA	Interfaz de entrada de imagen
12	Interruptor de aparato	Interruptor de encendido para encender o apagar la alimentación de CA de toda la máquina, "I" significa estado de encendido, "O" significa estado de apagado
13	Toma de corriente	Entrada de alimentación de CA,conectar a la alimentación de CA

ll. soluciones de problemas senci l las

1. *Apagad oautomático*

   Verifique el canal donde se encuentra la fuente de entrada. Si no hay ninguna seial, se provocará el apagado automático. Comprobar la estabilidad de la fuente de alimentación.

2. *La luz indicadora no se enciende*

   Compruebe si la fuente de alimentación es normal.
   Compruebe si el interruptor mecánico de la pantalla es normal.

3. *posicionamient otáct i limpreciso*

   Compruebe si el lápiz óptico o el dedo están a 90 grados en vertical.Compruebe si hay otros objetos tocando la pantalla, como papeles pequeios, mangas de ropa.

System

Dual system switching	
CPU	4 cores
Operation system	Android 11.0
RAM	4GB
SSD	32GB
Operation system	Windows10
RAM	8GB
SSD	258GB
Single System	
CPU	4 cores
Operation system	Android 11.0
RAM	4GB
SSD	32GB

Screen

Resolution	3840×2160
Blacklight type	DLED
Lamination process	Zero fit
Viewing angle	178°（H/V）
Color depth	1.07B（10bit）
Color gamut	NTSC 72%
Screen refresh rate	60Hz
Touch points	20 points

Projection

Projection method	Projection code; HDMI wired projection; Di-link
Projection effect	Support 4K wired projection; wireless projection
Projection client support system	Windows10 /Windows 8/Windows 7/ Windows XP/Android/Linux/Mac OS/Chrome
Cast annotation	Support
Reverse control	Support

Components

Smart board	1 set
Stylus	2 sticks
Supporting cable	2*3 meters power cord
Di-link	USB interface
Mobile stand Optional	Armer smart board product interfaces meet VESA standard
Wall mount	Free equipment（Armer smart board product interfaces meet VESA standard）

Speakers

Frequency domain	180Hz-20KHz
Speaker unit	Medium and high frequency speakers
Stereo	Support
Maximum power	2*16W

Wireless Connection

Wi-Fi module	Wi-Fi 6
Frequency	2.4GHz+5GHz

Interface

Rear input interface
HDMI*2 ； USB2.0（Android)input*1 ； USB3.0*2 ； Touch*1 VGA*1 ； Audio*1 ； RJ45 interface*1 ； RS232*1
Rear output interface
Audio output*1 ； Spdif/optical output*1 ； RJ45*1
Front interface
USB3.0*2 ； USB-Tpye-C*1（USB+VIDEO+Audio+charge(20V/3.25A)） HDMI*1 ； Touch*1

Writing

Writing delay	≤7ms
Writing accuracy	±1mm
Intelligent writing recognition	Support
Touch height	≤3mm

Size	55 inch	65 inch	75 inch
Physical Dimensions (L*W*T)/mm	1271*774*87mm (without wall mount) 1271*774*117mm (with wall mount)	1489*896*88mm (without wall mount) 1489*896*118mm (with wall mount)	1709*1020*88mm (without wall mount) 1709*1020*118mm (with wall mount)

Thank you!

Dear Valued Customer

Thank you for trusting ARMER Smart Board to create an efficient office experience for you. Your satisfaction is our top priority.

Smart Boards are expensive and complex office products. After you receive the smart board, please join our membership in time through the contact information in this after-sales card. This will help you learn more about ARMER Smart Board.

And our professional customer service team will assist you to solve any doubts or problems, provide long-lasting and comprehensive after-sales service.

Warm regards.

Share your thoughts！
Your feedback is more worth
to us than you know

Contact ARMER BOARD

Customer Service

Your Product Satisfication is Our Motivation

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support@armerboard.com**

**After-sales Email:
business@armerboard.com**

**Amazon Order After-sales Email:
amazon-support@armerboard.com**