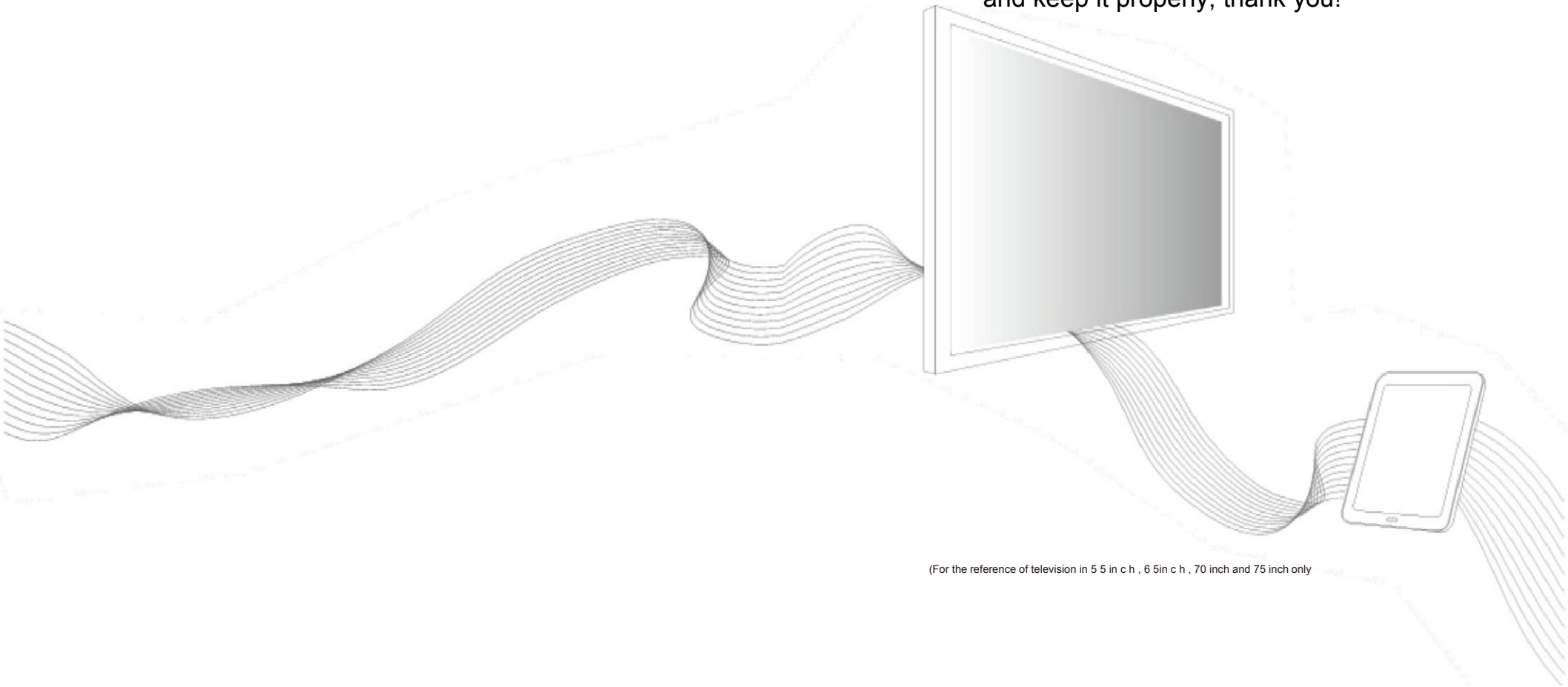
Product Operation Guide

Please read it carefully before using the television and keep it properly, thank you!



(For the reference of television in 5 5 in c h , 6 5in c h , 70 inch and 75 inch only

Declaration

Welcome to use the interactive flat- panel TV (hereinafter referred to as “AIO”).

Please read all the materials distributed with the TV carefully before installing and using the product for the first time, which can help you use the product better. The Company shall not be liable for any loss caused by any of the following circumstances.

1. Damage of products caused by violation of instructions.
2. Product damage caused by improper assembly.
3. Damage of products caused by unauthorized alteration or self-repair.
4. Loss of data due to incorrect operation of software or hardware, product maintenance or other circumstances
5. Damage caused by unnormal environment operating
6. Product damage caused by impact of abnormal external forces.
7. Product damage caused by natural disaster or other force majeure.
8. Tear off or damage the sticker without permission.
9. Unable to provide valid purchase certificate

Our Company has collated and checked the Product Operation Guide of the product carefully and strictly, but we cannot ensure that there is no mistake or oversight in the Instruction. The pictures in the Product Operation Guide are for reference only, and the real display of product shall prevail if there were several pictures unconformable with real displays. For a better service, our Company keeps the right to improve and modify the product and software described in the Product Operation Guide and the content of the Product Operation Guide at any time without notice.

Contents

Declaration---------- 1
Matters Needing Attention and Safety Warning----------4
Product Overview----------8
Product Features----------8
Model Tq-69 control port and key description---------- 10
Model Tq-638 control port and key description---------- 12
Model Tq-648 control port and key description---------- 14
Model Tq-828 control port and key description---------- 16
Control port schematic illustration----------18
Description of remote control----------19
RS_232 communication protocol and basic operation----------20
Product installation and commissioning---------- 21
Connect with external computers---------- 22
Connect with built-in computer---------- 23
Product specification----------24
Simple troubleshooting methods.----------26
Equipment maintenance---------- 27
Accessories and environmental instructions---------- 28

Matters Needing Attention and Safety Warning

Attention: Please read the instruction carefully and put it in a convenient position. Please obey the following installation and operating attentions.

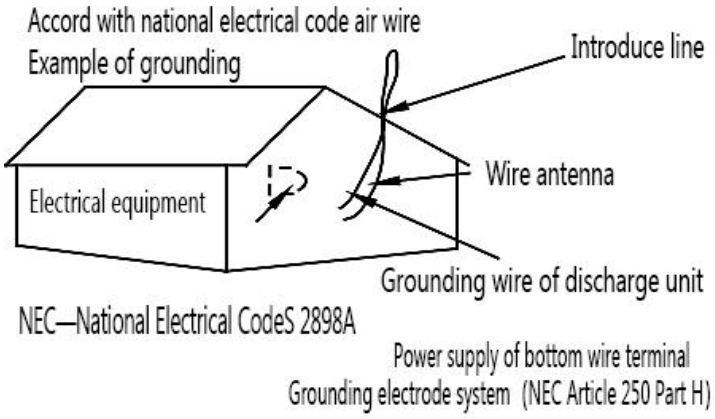
1. The safety and operation description should be read carefully before operating and using the product.
2. All the warning signs in the Product Operation Guide should be followed.
3. The keys on the panel and remote control is uni-polar switch, and press this key to switch it between the opening and standby mode in the condition of powering on; the “O” on the AIO background is entire-polar switch, press the “O” on the background to turn off the power, and press “T” to turn on the power. Entire-polar switch: a manual mechanical switch that can break all the polar of network source except for protective earth conductor. The distance of every polar of entire-polar switch should be no less than 3mm, the symbol “O” can only be used in the “breaking” sign of entire-polar switch. (Note: If the AIO was without entire-polar switch, the power plug to connect the AIO would be used as power breaking device, and the power plug should be easy to inserting and extracting).
4. Please turn off the power and extract the plug when there is abnormal sound of smell in the TV, do not use it when it is confirm to be abnormal, and call the product servicemen to maintain it.
5. If the AIO is not used for a long time, please turn off the power and extract the plug, the connection between the TV and antenna should be cut off in thunderstorm season.
6. Please do not watch TV on thunderstorm day, and unplug the power plug and antenna before the thunderstorm comes to prevent the thunder strike.
7. Flammables and explosive like candle, electric furnace and bulb cannot be put on the TV or close to it, which can avoid the accident on the TV.
8. Prevent the liquid and metal entering in the AIO, do not use it when there is liquid or metal entering in the AIO, and call the professionals to solve it timely.
9. Do not use the chemical reagent to wipe the AIO, which may make the shell spoil or damage the painted surface. Wipe it with the dried stupe ten minutes later from turning off the AIO when there is dust or dirt on it. The display screen can be wiped by clean mull. Unplug the AIO plug from the wall mounted power outlet before the cleaning. Do not use the liquid detergent or spray detergent.

Matters Needing Attention and Safety Warning

10. Look out water and humility. Do not use the product in where there is water or is close to water. Such as: bathroom, washstand, kitchen, water channel, washtub, and places nearby the humid basement or swimming pool, etc.

11. The TV shouldn't be suffered from water drop or water spatter, and the materials like vases which are full of water cannot be put on the TV.

12. The plug should be easy to insert, extract and is earth-connected. The product can be equipped with a polarized multi-finger AC plug (the plug has two multi-fingers in different width, and the plug can be inserted in the power outlet in one direction, which is another safety feature of the plug). Try it in another direction if you cannot insert the plug into the outlet. Connect the electrician to change the outlet if you still cannot insert it in, please do not damage the safety features of the polarize plug. Additional warning: the product is equipped with a three-wire earth connection plug which possesses an earth connection pin, and can only inset in the earth-connected power outlet.



13. Do not put the product on the unstable trolley, frame, bracket or desk, and otherwise it may make the AIO turnover. Move it carefully when putting the product on the trolley. Sudden stop in a high speed, too much strength or rough surface may cause the turnover of trolley and the AIO.

14. The channel and hole on the equipment is for ventilating, which can ensure the product operate reliably and prevent the overheating. Do not cover papers, tablecloth or curtains on the ventilating hole which may disturb the ventilating. Ensure there is space around the product for the adequate ventilating.

Matters Needing Attention and Safety Warning

15. The product can be supplied with power type and power voltage specified on the label. Please contact the product agency or local power supply company if you not sure the power type and voltage of your family.

16. The power cable in the accessories of product is CCC-ALL (with earth protection), ensure the earth terminal of the wall outlet is well when installing it. The power wiring shouldn't occupy the access to avoid treading, and should keep away from the place may make it pressed by other materials.

17. Do not put any type sundries in the product through any hole, and otherwise they may touch the dangerous voltage point or extruding part, and cause the fire or thunder strike.

18. Do not repair the product arbitrarily. Open or take apart the cover arbitrarily may make you face dangerous voltage or other risks. Please contact the servicemen to solve it if there is any maintenance matter.

19. Follow the operation instructions provided by the manufacturer when installing the product, and use the installation fittings commanded by the manufacturer.

20. The wall installation (if there was) of the product is only applied to normal concrete wall, solid wall and wooden wall which can bear the 3 times weight of the TV, for the hanging and lifting on special walls (means the steel structure wall, hollow structure wall and walls in glass and marble materials, etc.), the manufacturer suggest you to consider the safety of hanging or lifting, and operate it after ensuring there is no error. Installation on those types of special materials should be finished by the professionals, and the manufacturer has no duty on this type of installation.

21. The back nameplate with plaint mains that: if the important safe components (components on the circuit board with this symbol on the side) needed to be changed during the repairing, the components specified in the safety test files can be used only, and the it can be gained from the manufacturer if there is no same component.

22. The protective earthing of output outlet and touchable electric conduction components of type I TV should be connected reliably with the protective earthing terminal of TV.

Matters Needing Attention and Safety Warning

Special attention

1. Zero energy consumption can only be realized when the product is connected without any external power, therefore, Suggested turn off the machine when not using.
2. Under the premise of ensuring the viewing quality, by reducing the brightness of the display screen can be reduced in using energy
3. This product can be used for all kinds of OPS computers, Can be upgraded or more according to your needs
4. Within 3 years after sales, our company can supply replaceable parts.
5. The products are recycled and reused after waste, please contact our customer service.

Warning

This is grade “A” product. In the living environment, the product may cause radio interference. In such cases, it may be necessary for the user to take practical measures against the interference.

Questions Nécessitant Une Attention Et un Avertissement De sécurité

Attention: S'il vous plaît lire attentivement l'instruction et le mettre dans une position pratique. Veuillez respecter les attentions d'installation et de fonctionnement suivantes.

1. La description de sécurité et d'exploitation doit être lue attentivement avant d'utiliser le produit. S'il vous plaît garder l'instruction pour une prochaine utilisation.
2. Tous les signes avant-coureurs du Guide d'opération du produit doivent être suivis.
3. Les touches du panneau et de la télécommande sont un commutateur unipolaire, et appuyez sur cette touche pour la basculer entre le mode d'ouverture et de veille en état d'alimentation; le «O» sur l'arrière-plan AIO est un commutateur polaire entier, appuyez sur le « O » sur l'arrière-plan pour éteindre l'alimentation, et appuyez sur « T » pour activer la puissance. Commutateur polaire entier : un interrupteur mécanique manuel qui peut briser toute la source polaire du réseau à l'exception du conducteur de terre protecteur. La distance de chaque polar d'interrupteur polaire entier ne doit pas être inférieure à 3 mm, le symbole «O » ne peut être utilisé que dans le signe de « briseur » de l'interrupteur polaire entier. (Remarque : Si l'AIO n'avait pas de commutateur polaire entier, la prise d'alimentation pour connecter l'AIO serait utilisée comme dispositif de rupture de puissance, et la prise d'alimentation devrait être facile à insérer et à extraire).
4. S'il vous plaît veuillez éteindre l'alimentation et extraire la fiche quand il Ya un bruit anormal de l'odeur dans le téléviseur, ne pas l'utiliser quand il est confirmé anormal, et appeler les services de maintenance de produit pour le réparer.
5. Si l'AIO n'est pas utilisé pendant une longue période, s'il vous plait veuillez éteindre l'alimentation et extraire la prise, la connexion entre le téléviseur et l'antenne doit être coupée en saison orageuse.
6. Veuillez ne pas regarder la télévision le jour de l'orage et débranchez la prise d'alimentation et l'antenne avant que l'orage ne vienne pour empêcher le coup de tonnerre.
7. Les inflammables et les explosifs comme la bougie, le four électrique et l'ampoule ne doivent pas être mis sur la télévision ou à proximité de celui-ci, ce qui peut éviter l'accident sur la télévision.
8. Empêcher le liquide et le métal d'entrer dans l'AIO, ne pas l'utiliser lorsqu'il y a du liquide ou du métal entrant dans l'AIO, et appeler les professionnels pour le résoudre en temps opportun.
9. N'utilisez pas le réactif chimique pour essuyer l'AIO, ce qui peut faire gâter la coquille ou endommager la surface peinte. Essuyez-le avec un tissu séché dix minutes plus tard après avoir éteind l'AIO quand il y a de la poussière ou de la saleté sur elle. L'écran d'affichage peut être effacé par mull propre. Débranchez la prise AIO de la prise d'alimentation montée sur le mur avant le nettoyage. N'utilisez pas le détergent liquide ou le détergent à vaporiser.
10. Attention à l'eau et à l'humilité. N'utilisez pas le produit là où il y a de l'eau ou près de l'eau. Tels que: salle de bains, lavabo, cuisine, canal d'eau et les endroits à proximité du sous-sol humide ou de la piscine, etc.
11. La télévision ne doit pas souffrir de goutte d'eau ou d'éclaboussures d'eau, et les matériaux comme les vases qui sont pleins d'eau ne peut pas être mis sur la télévision.

Questions Nécessitant Une Attention Et un Avertissement De sécurité

12. Le bouchon doit être facile à insérer, extraire et être connecté à la terre. Le produit peut être équipé d'une prise d'AC multi-doigts polarisée (la prise a deux multi-doigts dans une largeur différente, et la prise peut être insérée dans la prise de courant dans une direction, qui est une autre caractéristique de sécurité de la prise). Essayez-le dans une autre direction si vous ne pouvez pas insérer le bouchon dans la prise. Contactez l'électricien pour changer la prise si vous ne pouvez toujours pas l'insérer, s'il vous plaît ne pas endommager les caractéristiques de sécurité de la prise polarisante. Avertissement supplémentaire : le produit est équipé d'un bouchon de connexion de terre à trois fils qui possède une goupille de connexion terrestre, et ne peut être encastré que dans la prise de courant connectée à la terre.
13. Ne mettez pas le produit sur un chariot instable, un cadre, un support ou sur un bureau, sinon ceci causera l'arrêt immédiat de l'AIO. Déplacez-le soigneusement lorsque vous mettez le produit sur le chariot. L'arret soudain en grande vitesse, trop de résistance ou de surface rugueuse peut provoquer le disfonctionnement du chariot et de l'AIO.
14. Le canal et le trou sur l'équipement est pour la ventilation, qui peut assurer let fonctionnent du produit de manière fiable et prévenir la surchauffagee. Ne couvrez pas les papiers, la nappe ou les rideaux sur le trou de ventilation ce qui peut perturber la ventilation. Assurez-vous qu'il y a de l'espace autour du produit pour la ventilation adéquate.
15. Le produit peut être fourni avec le type de puissance et la tension électrique spécifiée sur l'étiquette. Veuillez contacter l'agence du produits ou la compagnie locale d'alimentation si vous n'êtes pas sûr du type d'alimentation et de la tension de votre famille.
16. Le câble d'alimentation dans les accessoires du produit est CCC-ALL (avec protection de terre), assurez-vous que le terminal de terre de la prise murale est en bon état lors de son installation. Le câblage électrique ne devrait pas occuper l'accès pour éviter toute perturbation de la ventilation, et devrait se tenir à l'écart de l'endroit pour l'évité d'être pressé par d'autres matériaux.
17. Ne mettez pas de divers types de choses dans le produit à travers n'importe quel trou, autrement ils toucheront le point de tension dangereux ou la partie extrudant, et causer le feu ou le coup de tonnerre.
18. Ne réparez pas le produit arbitrairement. Ouvrir ou démonter arbitrairement le couvercle peut vous faire faire face à une tension dangereuse ou d'autres risques. Veuillez contacter les services de maintenance pour résoudre le problème s'il y a une question d'entretien.
19. Suivre les instructions d'exploitation fournies par le fabricant lors de l'installation du produit et utiliser les raccords d'installation commandés par le fabricant.
20. L'installation murale (s'il y avait) du produit n'est appliquée qu'à la paroi de béton normale, mur solide et mur en bois qui peut supporter le poids 3 fois de la télévision, pour la pendaison et le levage sur les murs spéciaux (signifie le mur de structure en acier, mur de structure creuse et les murs en verre et en marbre matériaux, etc), le fabricant vous suggère de considérer la sécurité de la pendaison ou de levage, et l'opérer après s'être assuré qu'il n'y a pas d'erreur. L'installation sur ces types de matériaux spéciaux doit être terminée par les professionnels, et le fabricant n'a aucun devoir sur ce type d'installation.
21.La plaque d'immatriculation arrière avec des fils principaux plaint que: si les composants sûrs importants (composants sur la carte de circuit avec ce symbole sur le côté) ont dû être changés pendant la réparation, les composants spécifiés dans les fichiers d'essai de sécurité peuvent être utilisés

uniquement, et il peut être obtenu du fabricant s'il n'y a pas le même composant.

Questions Nécessitant Une Attention Et un Avertissement De sécurité

22. La mise à la terre protectrice de la sortie et des composants de conduction électrique tactiles de la télévision de type I TV doivent être connectés de manière fiable avec le terminal de mise en terre protecteur de la télévision.

Attention particulière:

1. le Zéro consommation d'énergie ne peut être réalisé que lorsque le produit est connecté sans aucune puissance externe, par conséquent, il est Suggéré éteindre la machine lors de l'utilisation.
2. Dans le cadre de l'assurance de la qualité de visualisation, en réduisant la luminosité de l'écran d'affichage vous pouvez réduire l'utilisation de l'énergie
3. Ce produit peut être utilisé pour toutes sortes d'ordinateurs OPS, peut être mis à niveau ou plus encore en fonction de vos besoins
4. Dans les 3 ans suivant la vente, notre société peut fournir des pièces remplaçables.
5. Les produits sont recyclés et réutilisés après détérioration, s'il vous plaît veuillez contacter notre service clientèle.

Avertissement:

C'est un produit de catégorie A. Dans le milieu de vie, le produit peut causer des interférences radio. Dans de tels cas, il peut être nécessaire que l'utilisateur prenne des mesures pratiques contre l'interférence.

Product Overview

Product Features----------

Make the functions interactive flat-panel TV and computer to an all-in-one body, use the LED LCD panel, infrared and multi-touch technology, and provide multi sizes and configuration specifications. The touching skin can replace the mouse to operate the clicking and slipping functions on the interface flexibly, which is convenient and efficient. It is applied in advertisement and education industries.

Innovation: Excellent appearance
The AIO looks elegant and generous, in an appearance design of super light, ultrathin and ultra-narrow, which is simple and stylish. Aluminum alloy and surface treatment technology of matte sandblasting is adopted in the front rail, which is in a superior metallic; preposition key, preposition loudspeaker and preposition multi-function port.

Vivid: Transcendency display
FULLHDLED high-definition LCD panel is adopted in the AIO. The resolution ratio reaches 3840×2160 (some 1920×1080), displayed color shows the original scene, the scenes are gentle, the display is uniform, no flicker and in a high corresponding speed, the distinct scene can be seen from different directions.

Efficient: Accurate control
Infrared touch is adopted in the AIO to achieve the multi-touch function, the touch is in a high accuracy and high sensitivity, the users can take a single-point touch by hand and without pen writing, and also can use different gestures like click, double-click, translation, rolling and rotation to touch the screen and control it follow your way, which can replace the mouse to finish the operation easily, and has the technical features of fast response, high position accuracy, strong environmental adaption and accurate operation.

High-quality: Interaction platform
The core functions are the AIO is displayed by a big screen intensively, the touch operation is convenient, screen writing label is visual, the large image can be handle in a high speed, the remote data sharing, and operation mode is humanized, which provide the users an epochal communication assisting platform. It can be widely used in diversity places like education, training room, conference room, exhibition, and demonstration hall.

Product Overview

Convenient: Diversified functions

The AIO provides the users with diversified functional interfaces, and provide the diversified internal-extension interfaces that can achieve the integration extension of the internal functional module, and make the information processing capability stronger; it support the browsing and management of various files including OFFICE; the keyboard is replaced by the remote control, the F1--F12 key functions are achieved, and has the function to remotely control the TV switch; the function of shortcut touch menu on the mainboard can be callout quickly by touching the screen.

Standby system: Above Android 5.0

The AIO supports the Android 5.0 system, which can finish the operation of playing and editing functions without using the computer, and it can provide the third-part tool software with abundant internally installed software.

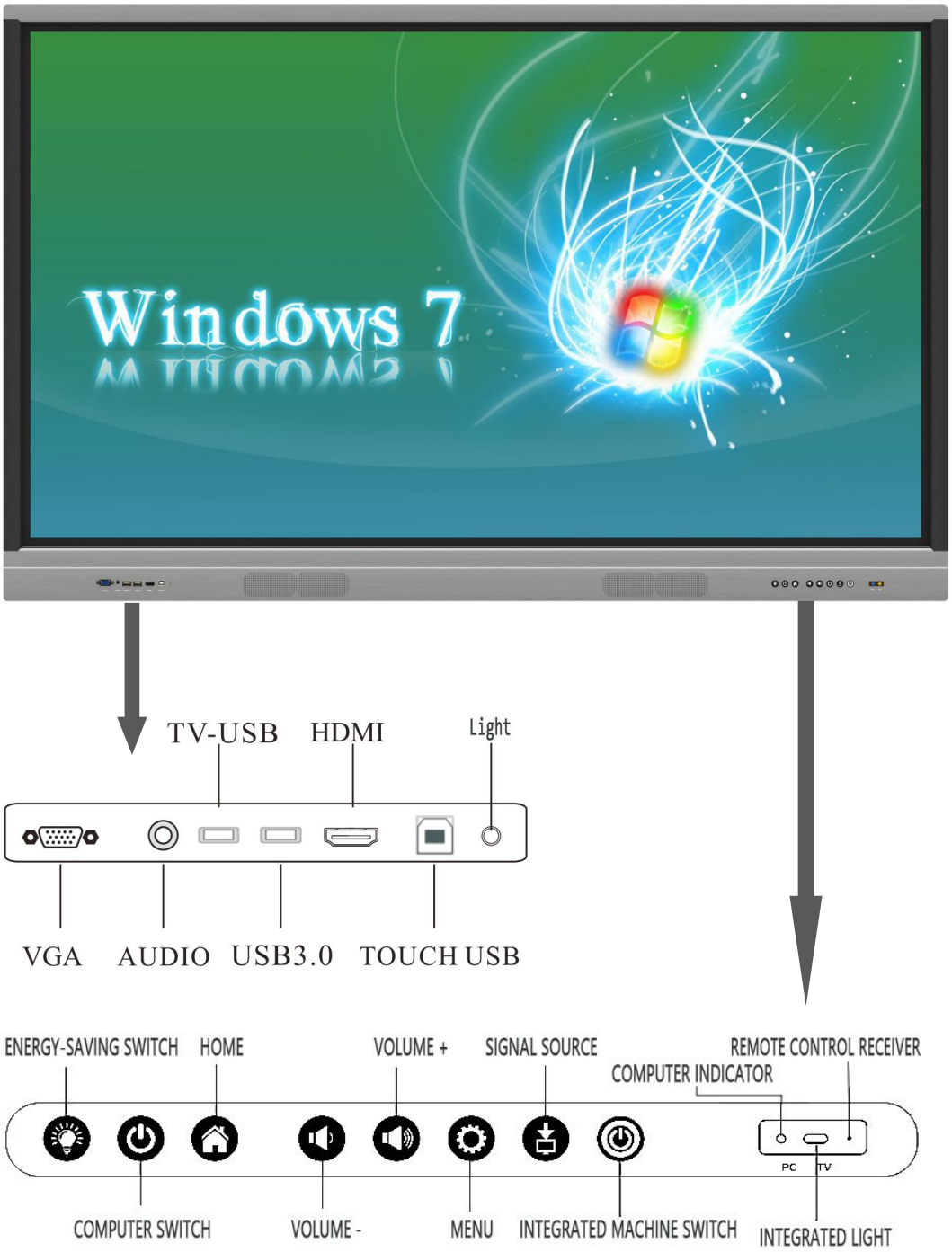
Picture 1.

Appearance of the AIO

(The picture is for reference only)

Product Overview

Control Port and Key Description (TQ-69)----------



Picture 2. Front key and port description of tq-69

VGA is the front-end computer in the signal source, audio and VGA are used together, HDMI is the front-end HD in the signal source

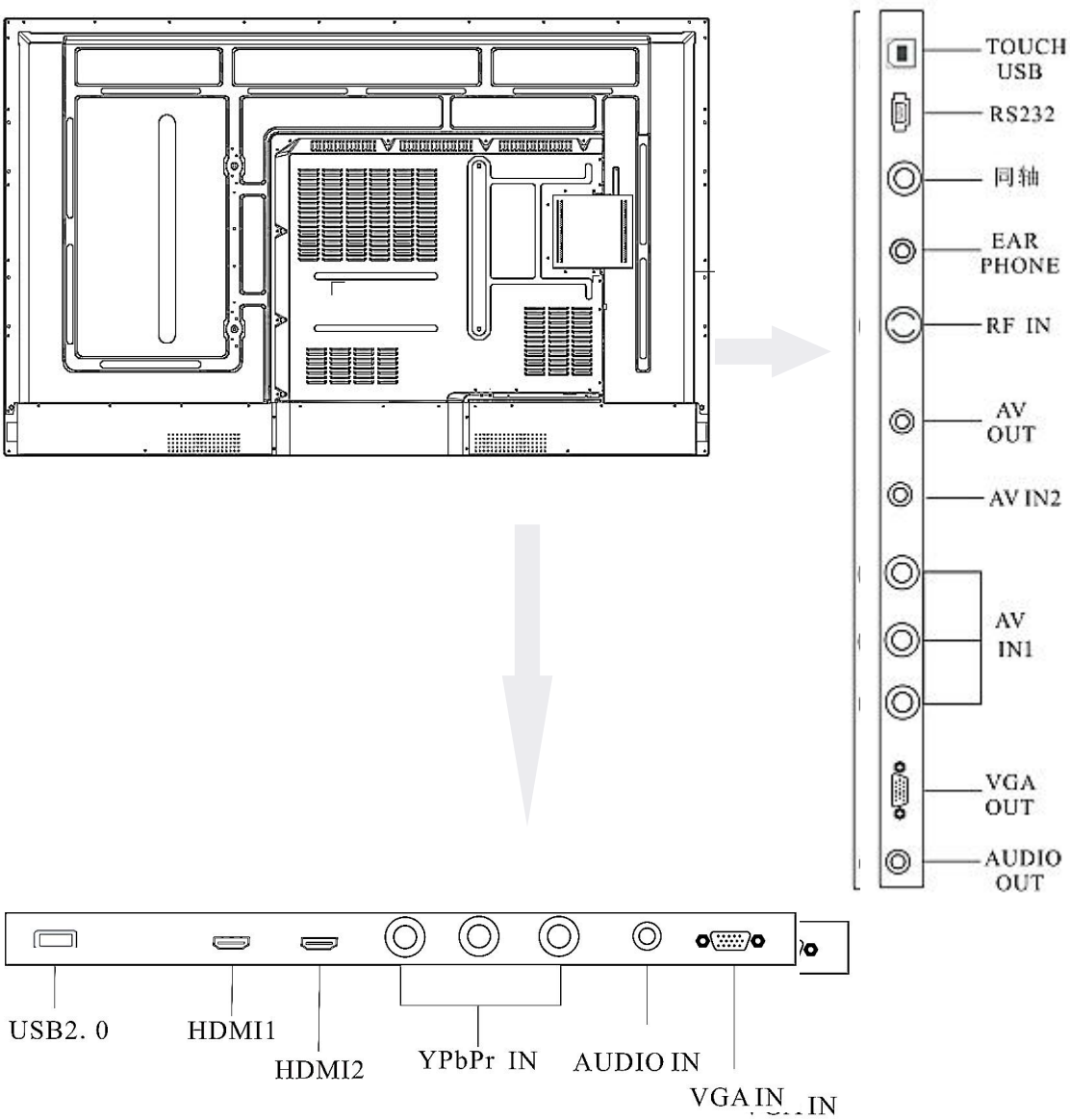
TV-USB is an all-in-one multimedia USB interface, and USB3.0 is a built-in computer USB interface.

Touch USB is the front signal source, touch USB connection line interface.

Product Overview

Control Port and Key Description (TQ-69) ----------

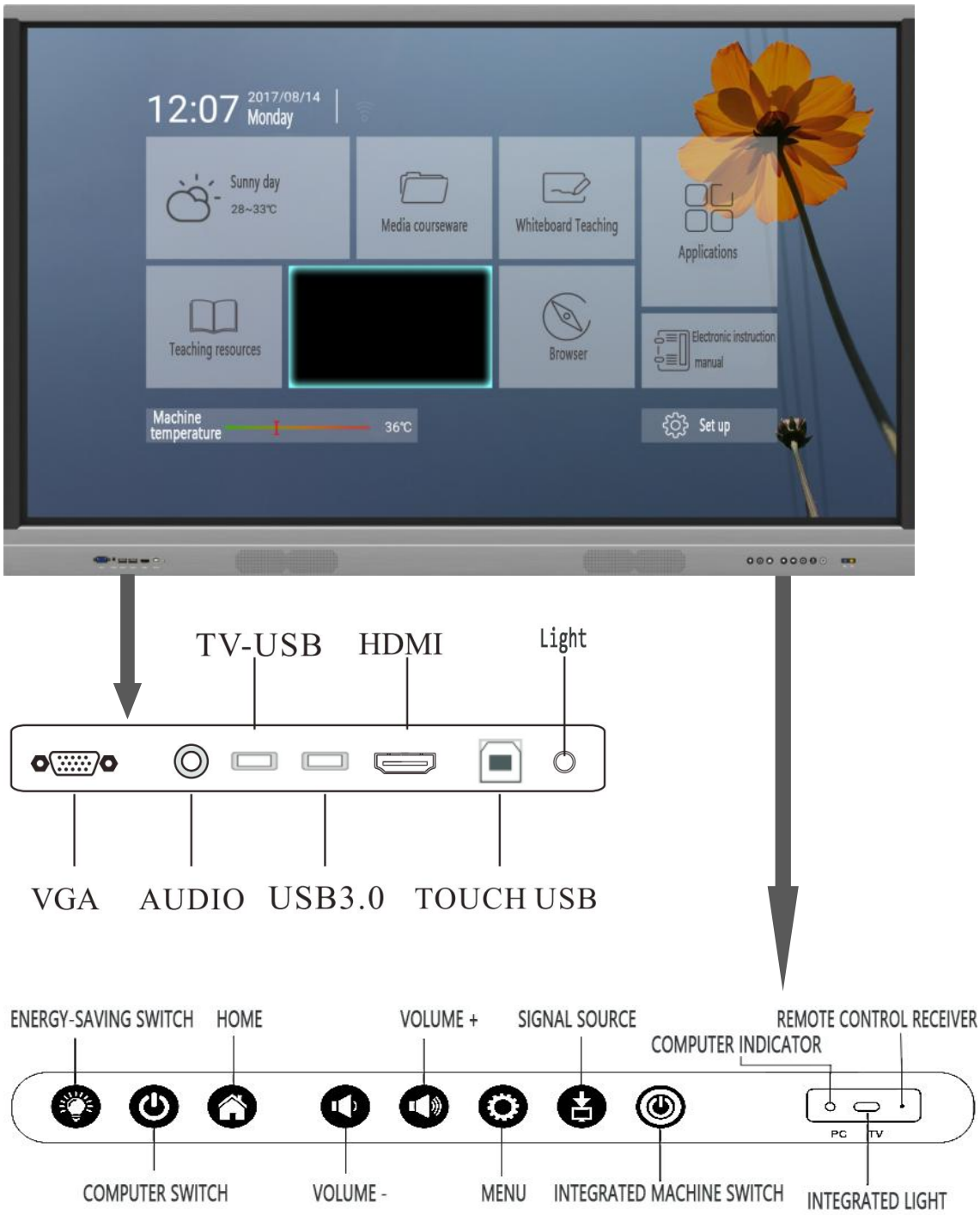
Note: this port description is limited to:
Non Android 65-75 inch models



Picture 3: description of tq-69 rear port
The back port is the main board port of all-in-one machine

Product Overview

Control Port and Key Description (TQ-638)----------



Picture 4. Front key and port description of tq-638

VGA is the front-end computer in the signal source, audio and VGA are used together,

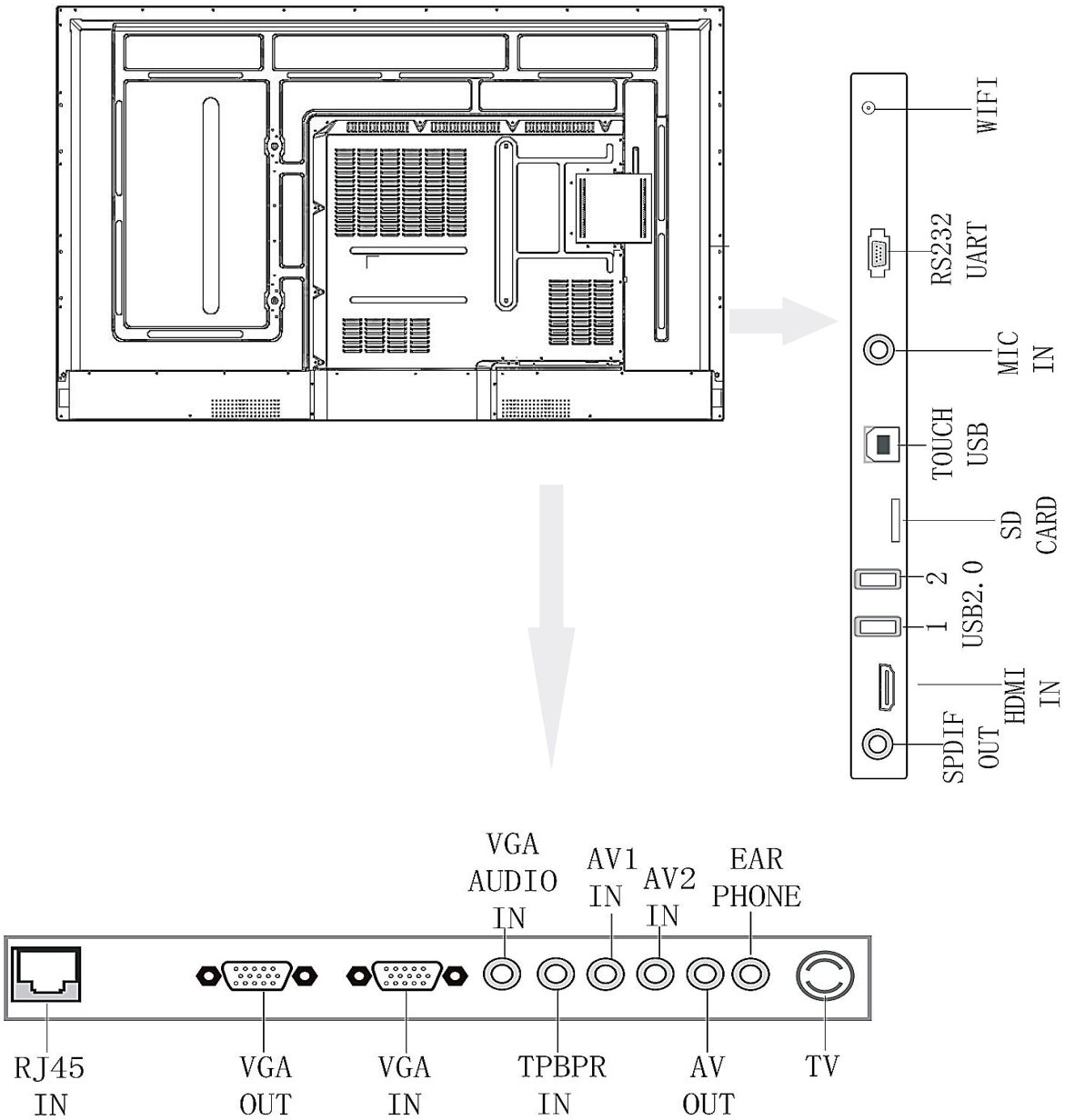
HDMI is the front-end HD in the signal source

TV-USB is an all-in-one multimedia USB interface, and USB3.0 is a built-in computer USB interface

Touch USB is the front signal source, touch USB connection line interface.

Product Overview

Control Port and Key Description (TQ-638)----------



Picture 5: Port description of tq-638

The back port is the main board port of all-in-one machine.

Product Overview

Control Port and Key Description (TQ-648) ----------

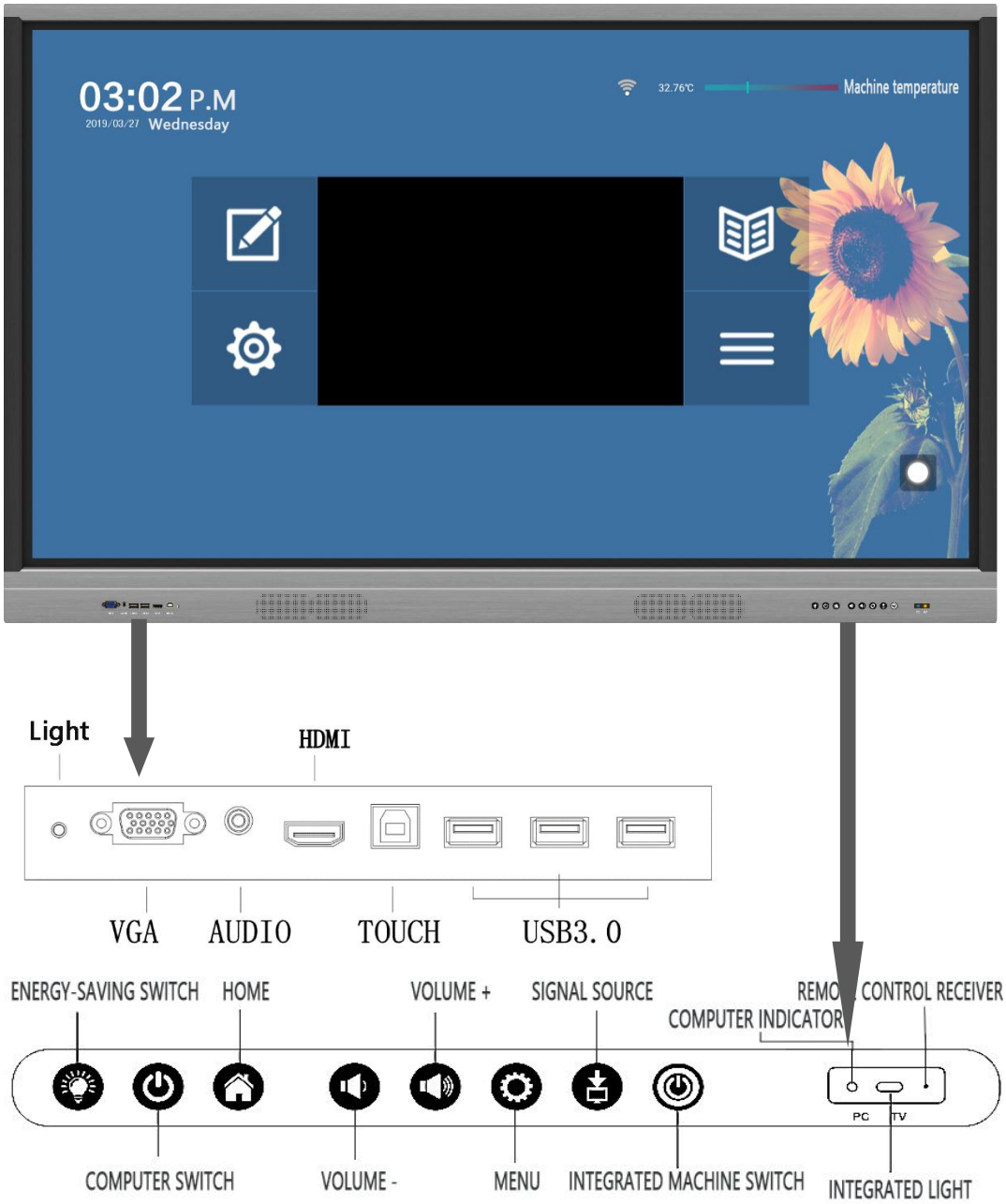


Figure 6.TQ-648 Model Front Key and Port Descriptions
VGA is the front computer in the signal source, AUDIO and VGA are used together.
HDMI is the pre-HD of the signal source.
USB3.0 interface works with PC channel and Android channel
TOUCH USB for front source touch USB cable interface.

Product Overview

Control Port and Key Description (TQ-648) ----------

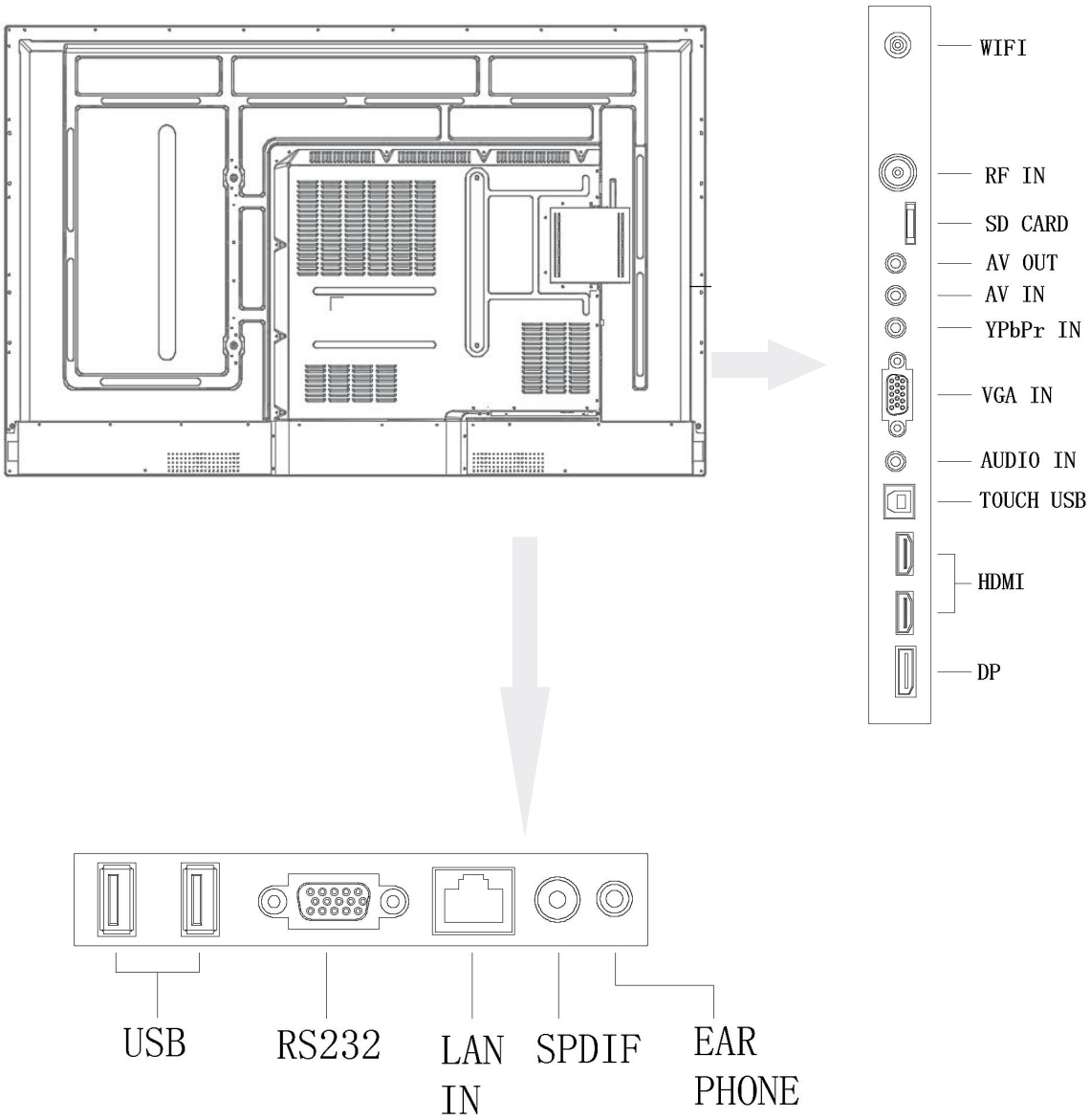


Figure 7: TQ-648 model back port description
Back ports are all all-in-one motherboard ports

Product Overview

Control Port and Key Description (TQ-828) ----------

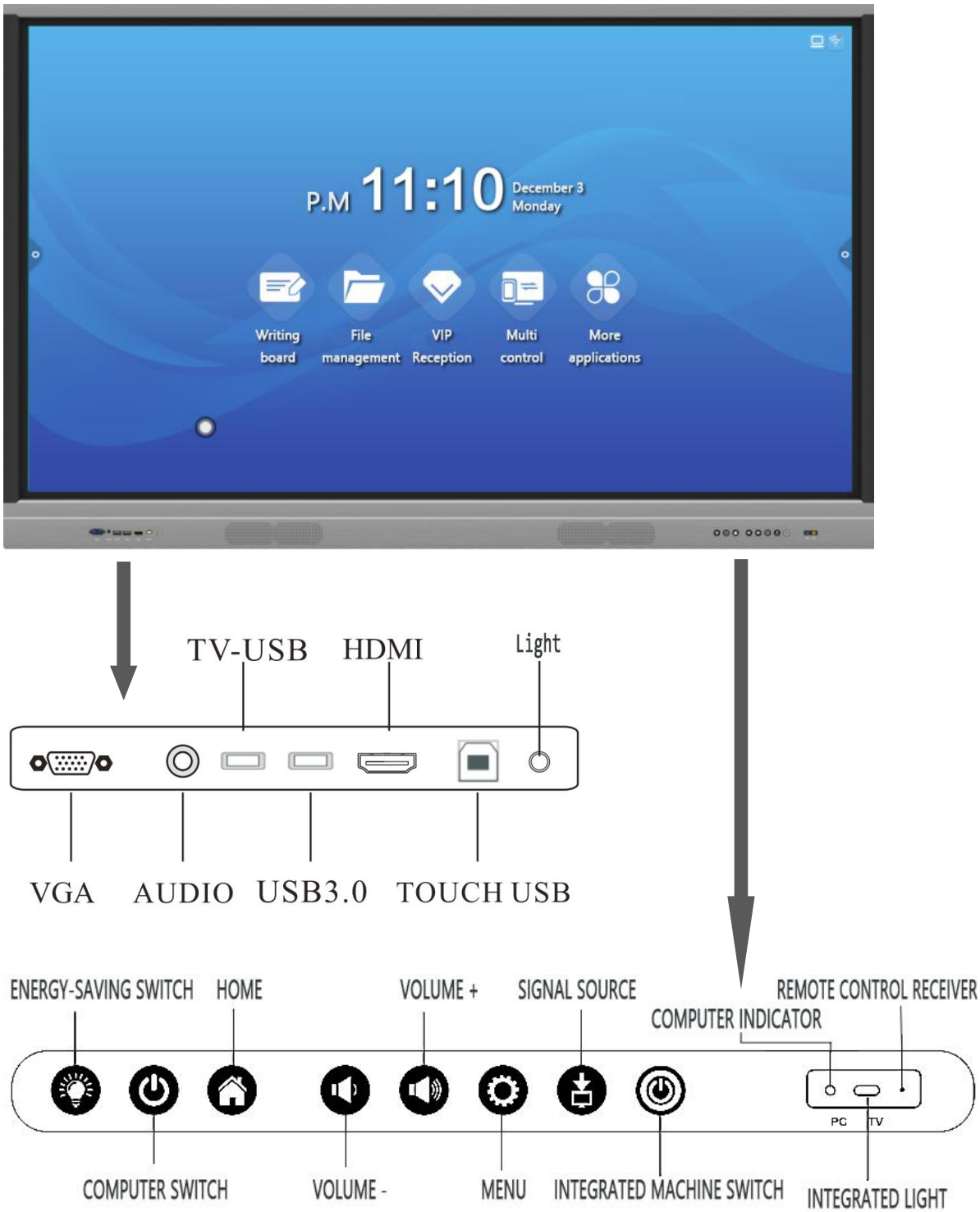


Figure 8.TQ-828 Model Front Button and Port Descriptions
VGA that is the signal source in the front computer, AUDIO and VGA used in conjunction with, HDMI that is the signal source in the front high-definition
TV-USB is the all-in-one multimedia USB interface, USB3.0 is the built-in computer USB interface.
TOUCH USB for front source touch USB cable interface.

Product Overview

Control Port and Key Description (TQ-828) ----------

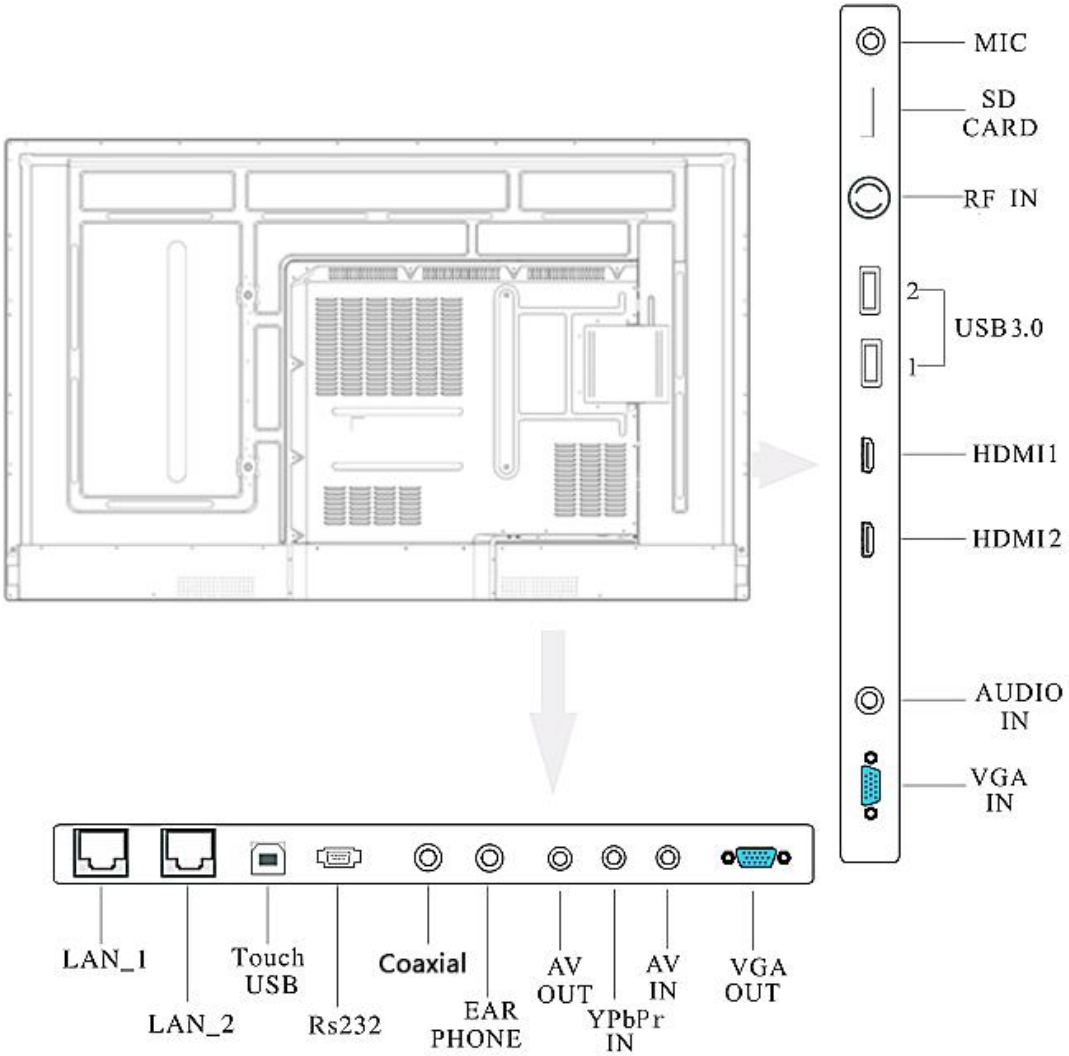


Figure 9: TQ-828 model back port description
Back ports are all all-in-one motherboard ports

Product Overview

Control port schematic illustration----------

HDMI IN: It can synchronize the signal input of external devices via HDMI to realize dual display of this machine and external monitor.

USB 3.0/USB 2.0/TV-USB: Used to connect external devices, such as USB keyboard, U disk, portable hard disk, etc.

TOUCH USB: Used to connect external devices for touching.

YPBPR IN: Connects to external devices with video interfaces, such as set-top boxes, DVDs, and so on.

AV1/2 IN: Connects an external device with a video interface, such as a set-top box or DVD.

AV OUT: Can use the monitor signal output of TV as signal source.

SPDIF OUT: Connects to audio equipment.

RS232 UART: Connects to an external device that uses the RS232 interface.

VGA IN: Can be used to connect to a computer host.

VGA AUDIO IN: Connects to the audio output port of a computer.

RJ45 IN: Used to connect to a WAN or LAN.

SD CARD: Used to expand the storage space.

TV (RF): RF signal input for connecting to cable TV.

Product Overview

Description of remote control----------

Figure 10. Remote control

Seri	Key	Functional Description
1	⏻	Power on Key
2	🔇	Mute on/off
3	0～9	A number (character 0) is a space
4	Alt+Tab	PC mode window switch key
5	Alt +F4	PC mode window closing key
6	⊞	PC mode start menu key
7	☰	Right-click in PC mode
8	▲▼◀▶	Upper/lower left/right/confirmation
9	✎	PC mode to open whiteboard
10	Esc/Exit	Exit current operation or exit menu
11	Pgup/Pgd	For the previous/next page in PC
12	VOL+	Volume up/down
13	CH+/CH-	TV station plus/ minus
14	Input	Input Signal Source Selection
15	Menu	Turn on/off menu keys
16	Reset	Touch Screen Reset Key
17	💡	Turn on/off backlight keys
18	PC	Built-in OPS computer shortcut
19	VGA	VGA signal mode shortcut
20	HDMI	HDMI signal mode shortcut
21	MEDIA	Multimedia Mode Shortcut
22	Display	Display of programme information
23	P.Mode	Select Image Mode
24	Sleep	Shutdown button
25	S.Mode	Select Sound Mode
26	F1/◀◀	Help
27	F2/▶▶	Rename
28	F3/▶II	Explorer Search File
29	F4	Address list in IE
30	F5/⏮	Refreshment
31	F6/⏭	Resource Manager
32	F7/ ■	Windows media player mute
33	F8	windows media player volume
34	F9	Child lock
35	F10	Word Excels and other files saved
36	F11	IE full screen (check temperature
37	F12	Windows media player Open File

Product Overview

RS_232 communication protocols and basic operations

1. RS_232 Communications Agreement

Baud rate: 115200 data length: 8 bit

Communication code: ASCII1 code stop bit: 1 bit use through cable

Function	Communications protocol	Function	Communications protocol
POWER	99A2 01 01 27AA	Right	99 23 25 01DA AA
SOURCE	99 23 13 01EC AA	OK	99 23 26 01D9AA
TV	99 23 07 01F8AA	Menu	99 23 12 01ED AA
AV	99 23 08 01F7AA	HOME	99 23 00 01FF AA
Ypbpr	99 23 F5AA 0A 0 1	Mute	99 23 02 01FD AA
VGA	99 23 F4AA 0B 0 1	VOL+	99 23 17 01E8AA
HIDMI	99 23 F1AA 0E 0 1	VOL-	99 23 18 01E7AA
Up	99 23 22 01DD AA	ECO	99 23 16 01E9AA
Down	99 23 23 01DC AA	PC	99 23 11 01EE AA
Left	99 23 24 01DB AA	Multimedia	99 23 27 01D8AA

2. Basic operations

Boot up

1) Product access AC100~240 V 50HZ/60HZ ac and turn on the power I/O switch.

2) Please press the power button on the remote control or integrated machine.

Shutdown

1) If need to temporarily shut down, press the remote control or TV power key.

2) To completely turn off the native power supply, turn off the power switch and unplug the power supply.

Save before shutdown

When shutting down, the integrated machine will save settings of images and audio. When the integrated machine is turned on again, it will be in the state before the shutdown.

Product Installation and commissioning

Connect with external computers ----------

1. Minimum configuration requirements for external computers

■ Computer or laptop with more than 2.1 GHZ processor recommended for Intel Core 2Duo.
■ 1G DDR1 memory or more, recommend 2 G DDR2 memory or more.
■ Graphic display card 32 bit color or more
■ Hard disk space 500M or more
■ USB interface, VGA interface, HDMI interface
■ Windows XP/Vista/Windows7/Windows8/Windows10

2. Installation and wiring

1）Use attached power cord to connect integrated machine to AC100~240 V power supply.
2）Connect computer audio and video signal input, use VGA line and audio line or HDMI line to connect integrated machine and computer.

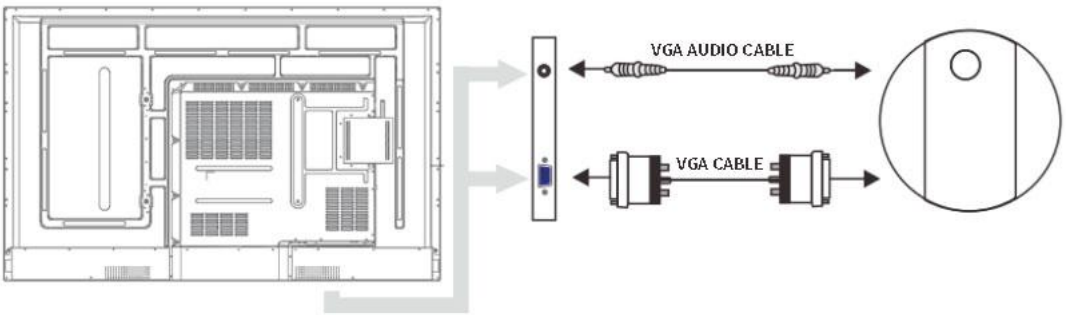


Figure 11. Integrated machine connected to external computer

Product Installation and commissioning

Connect with external computers----------

3）Connect touch cable

USB Touch Control Line

USB wire connection method:

Connect the A end connector of the USB line to the USB port of the computer.

Connect the B end interface of the USB line to the USB touch port of the integrated machine.

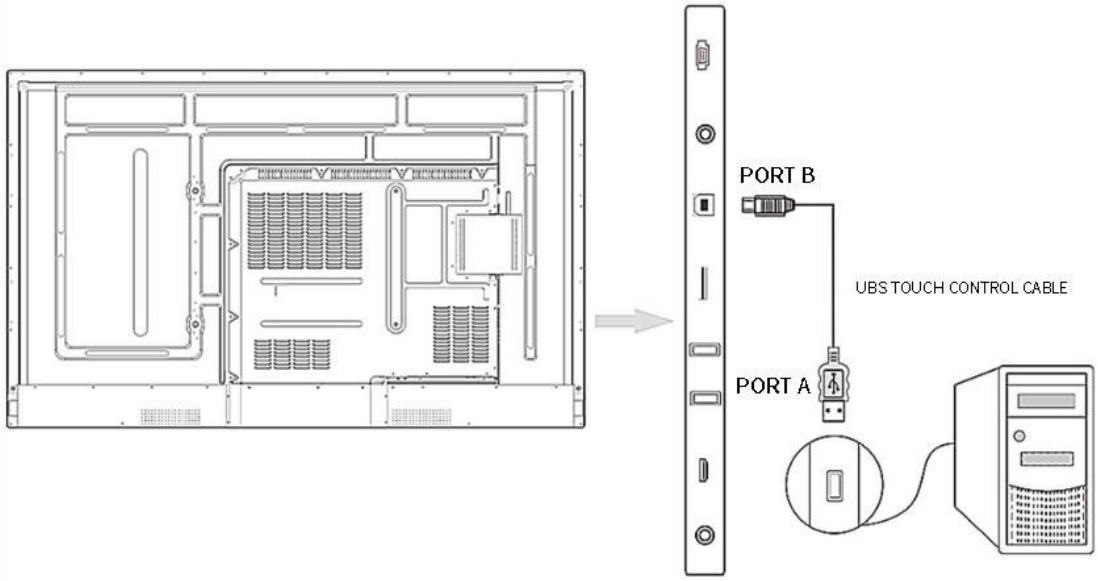


Figure 12. USB wire connection method

Product Installation and Commissioning

Connect with built-in computers----------

Special note:
This part of the operation only contains the built-in computer model of the user reference, the specific built-in computer configuration to the physical object.

1. Plug-in computer

■ CPU: Intel I3/I5/I7

■ Chip-set: Intel Chip-set

■ Memory: 4 G DDR4：motherboard maximum support 16 G DDR4

■ Hard disk: 2.5" 500 G/1TB

■ Graphics card: integrated high performance graphics card/independent graphics card

■ Display resolution: 1920*1080/3840*2160

■ Operating system: Windows7/Windows8/Windows10

■ Interface :2 channels USB3.0、4 USB2.0、1 channels RJ45 network interface ,1 channel HDMI output ,1 channel audio output ,1 channel audio input ,1 channel serial port

2. Installation and wiring

1) Use attached power cord to connect integrated machine to AC100~240 V 50HZ/60HZ ac power supply.

2) Built-in computer video, audio, and touch connections are connected inside the integrated machine without having to connect externally again.

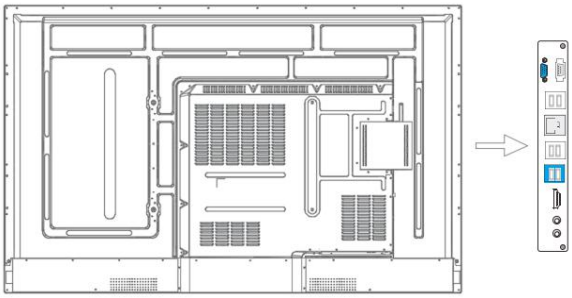


Figure13. Integrated computers connected to built-in computers

Product Specifications

The technical parameters and product specifications of the products are implemented in accordance with the product quality standard "Q/CVKJ 1-2017".

Backlight type	LED
Display proportion	16:9
Color pixels	RGB
Viewing angle	178°
Response time	8ms
Operating Voltage	100V～240V,50Hz/60Hz
Standby power consumption	≤0.5W
Audio output	Speaker power 15Wx2
Touch type	Infrared
Touch points	10 points touch
Number of writing	10points writing
Writing effect	Single pen full-screen area writing
Communication Interface	USB-B
Storage temperature/humidity	-15°C～55°C/20%RH～90%RH
Working temperature/humidity	0°C～40°C/20%RH～80% RH
Installation method	Wall mount/bracket

Product Specifications

TV parameter	Input port	TQ-69 model ports are as follows AV port: 2 groups (three-in-one port); RF port: 1 group; VGA port: 2 groups (front 1 group); audio port: 2 groups (front 1 group); component terminal: 1 group; TOUCH: 2 groups (front 1 group); HDMI ports: 3 groups (front 1 group); USB2.0 ports: 2 groups (front 1 group); USB3.0 ports: 1 group (front 1 group only in PC Used under) TQ-638 model ports are as follows VGA port: 2 groups (and 1 group in the front); IDMI port: 2 groups (1 group in the front): AV port: 2 groups (1 group of three-in-one ports); color difference component: 1 group (three-in-one ports) ; USB2.0: 3 groups (front 1 group); USB3.0 ports: 1 group (front 1 group is only used under PC); Audio: 2 groups (front 1 group); RS232: 1 group; MIC : 1 group; TOUCH: 2 groups (1 group in front). TQ-648 model ports are as follows VGA port: 2 groups (front 1 group); IDMI port: 3 groups (front 1 group): AV port: 1 group (three-in-one port); Component terminal: 1 group (three-in-one port); USB2. 0 port: 2 groups; USB3.0 port: 3 groups (front 3 groups, Android and PC multiplexing); audio port: 2 groups (front 1 group); RS232 port: 1 group; TOUCH port: 2 groups (1 group in front). TQ-828 model ports are as follows VGA port: 2 groups (front 1 group); IDMI port: 3 groups (front 1 group): AV port: 1 group (three-in-one port); Component terminal: 1 group (three-in-one port); USB2. 0 port: 2 groups; USB3.0 port: 1 group (front 1 group, only used in PC); audio port: 2 groups (front 1 group); RS232 port: 1 group; TOUCH port: 2 groups (front Set 1 group).	
	Output port	Coaxial output: 1group; Earphone: 1group; AV port: 1group (three-in-one port); VGA port: 1group; The TQ-648 model has no AV output port and VGA output port.	
Touch and control parameter	Insertion and reaction mode	Internal all-in-one type	
	Writing mode and position accuracy	Finger, touch pen or other non-transparent matters whose diameters are more than 5mm; the position accuracy is ±2mm	
	Resolution ratio	32767*32767	
Customized component parameter	Multi-point touch module group	Computer module group	Multichannel VGA module group
	Touch mode: Infrared induction touch; Touch count: 10	CPU: Intel I3, I5, I7 Internal storage: 4G/8G/16G DDR4 Hard Disk: 500G/1TB Display card: Intel integrated high-capacity display card	Input port: VGA of two channels, audio of two groups,

Simple Troubleshooting Method

AIO machine failure, touch system failure ----------

Special Notes:
Please check the tables below to find the cause of the fault you facing before the repairing. Please contact the Product Service Center to repair it when you ensure you have operated it according to the Operation Guide, and cannot clear the fault.

AIO system fault	
Phenomenon	Solution
No scene and voice	1) Check whether the power line is inserted in the outlet on the wall.
	2) Check whether the signal wire is connected correctly.
	3) Check whether the power of the external device is on.
	4) Check whether the product is in the standby status.
Normal scene without voice	1) Check whether set the voice in minimum.
	2) Check whether set the voice into sound-off.
	3) Check whether the external audio cable is connected correctly.
No scene or the scene is black and white	1) Check and adjust the color setting.
	2) Check and adjust the color system.
The voice and scene are disturbed	1) Find the electrical disturbing the AIO, and keep it away from the AIO.
	2) Insert the power plug of the AIO in another outlet.
The scene is dim or snow, image fault	1) Check whether the signal wire connection is loose.
	2) Reset and slightly adjust the signal input.
The remote control is out of control	1) Check whether the battery of the remote control is installed correctly.
	2) Check whether the battery of the remote control is used up, and change it timely.
	3) Check whether the positive and negative electrode of the battery of the remote control battery is installed in the right direction.
	4) Check whether there is a matter covering the signal emission window of the remote control.

Touch System Fault		
Phenomenon	Causes	Solution
The touch screen drifting suddenly, which means the mouse pointer is not in the finger touched position.	When there is a touch operation on the mouse pointer, please check whether touching the screen with cloth or other matters, which may make the mouse pointer not in the finger touched position.	Ensure there is no other matter touching the screen in the touch operation at the same time.
There is no reaction when touching	One of the following conditions may cause the phenomenon 1) A break down in touch signal wire (USB wire) 2) A break down in computer operation system 3) A break down in computer host port (USB)	1) Contact the computers service 2) Contact the After- sell Product Repairing Center

Equipment Maintenance

Care instructions

1. The importance of maintenance

1.1 Maintenance can prevent small problems from becoming big problems and ensure the safety of the machine.

1.2 Maintenance can maximize the performance of the machine and achieve a longer service life.

2. Maintenance tools

2.1 Clean lint-free cloth, such as dust-free cloth.

2.2 Cleaning agents, such as industrial alcohol

3. Maintenance measures

3.1 Turn off the whole machine before maintenance, turn off the power I/O switch, and unplug the power cord to ensure personal safety.

3.2 Soak the cloth in the cleaning agent and twist it to half dryness without dripping water.

3.3 Wipe the dust on the surface of the screen protection glass and the frame of the whole machine.

3.4 Wipe 2 to 3 times, preferably with a new clean cloth to dry the remaining detergent.

3.5 After the cleaning is completed, the standby device can be used normally when it is dried naturally.

4. Develop good machine habits

4.1 When the machine is not in use, please turn off the power I/0 switch or unplug the AC power cord.

4.2 If you do not use the machine for a long time, please wrap it in a protective cover and store it in a cool and dry place

Accessories and Environmental Protection Description

Accessories list

No.	Name	Amount	Specification
1	Operation guide	1	
2	Remote control	1	
3	Power wire	1	1. 5 m
4	Certificate	1	
5	Guarantee card	1	

The name and content of poisonous and harmful substance or elementary in the product

Component name	Poisonous and harmful substance or elementary					
	Lead (Pb)	Mercury (Hg)	Nickel (Cd)	Hexavalent chromium (Cr(VI))	Poly brominated biphenyls (PBB)	Poly brominated diphenyl 2 (PBDE)
Plastic	O	O	O	O	X	X
LCD screen/POP screen	X	X	O	O	O	O
circuit board component	X	O	O	O	O	O
Hardware structure/decoration	X	O	O	O	O	O
Loudspeaker component	X	O	O	O	O	O
Glass	O	O	O	O	O	O
Power wire	X	O	O	O	O	O
Other accessories	O	O	O	O	O	O

O: Mains the content of the poisonous and harmful substance in the uniform material of the accessories is less than the limit requirement of SJ/T11363-2006

X: Means the content of the poisonous and harmful substance in more than one uniform material of the accessories is more than the limit requirement of SJ/T11363-2006.

Technical note: The hardware structure, injection molding, connector and majority of the electrical parts are complied with the requirements of Chinese and EU's RoHS directive, only few parts are not realized the poisonous and harmful substance or elementary replacement for fear of losing the product reliability, which is limited by the global technical limitation. You can feel free to use it, and it does no harm to the users in the correct using condition.

The label is the Environmental Protection Use Period label, period (ten years) the poisonous and harmful substance or elementary in electric product will not leak or mutate in the normal using condition, or users use the use the electric product will not pollute the environment strictly or damage human body or property seriously.

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.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: 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.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter