

# Operating Manual for OPS PC

Suitable for AW-OPS11W-I7P series models

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# Safety notice

Please read the following instructions carefully before using this product to ensure your safety. Improper use may cause serious personal injury or property damage. Do not attempt to repair this product by yourself.



Warning



Please unplug the power supply immediately in case of serious failure.

Critical failures include:

Smoke, odor or abnormal sound occurs in the machine.

No image, sound or image distortion.

Under the above abnormal conditions, please immediately disconnect the power supply, do not continue to use this product, and ask professional personnel for maintenance.



Avoid liquid, metal or combustible entering the machine body.

If any liquid or metal falls into the machine, please shut down the machine immediately and cut off the power supply, and contact professional personnel for handling.

Pay special attention when children are near this product.

Do not place this product on an uneven surface.

Unstable surfaces include sloping or shaking supports, tables, tables, etc., which may cause the product to overturn and cause injury.



Do not open the cover of this product or change the product without authorization.

High voltage components are installed inside the product. Opening the cover of this product may expose you to high voltage, electric shock and other dangerous conditions. Please contact your local dealer for inspection, adjustment, repair and other services.



Please use the specified supply voltage.

To avoid danger caused by burning this machine, please use the standard power cord of this machine when using this product, and do not use other types of power cords.

Be sure to use a three wire power socket and ensure that its ground wire is well grounded.

When not in use for a long time, please unplug the power supply of the receiving host from the socket.

Regularly clean the dust or metal around the power plug insert.

If you continue to use this product without cleaning the insert for a long time, it may cause fire or electric shock.

You must first unplug the power cord, and then clean the insert with a dry cloth.

Remark:

Personal injury or product damage may be caused if precautions are ignored.

The power supply selected for the product determines the altitude of the product.

Please check the installation instructions before connecting the power supply.

This product is used with large display or whiteboard all-in-one display, so it is not equipped with power adapter.

If consumers need to use this product alone, please purchase a power adapter that has obtained certification and meets the standard requirements to power the product.

Using a substandard power adapter may damage the product or reduce its service life.

# 1 Product Introduction

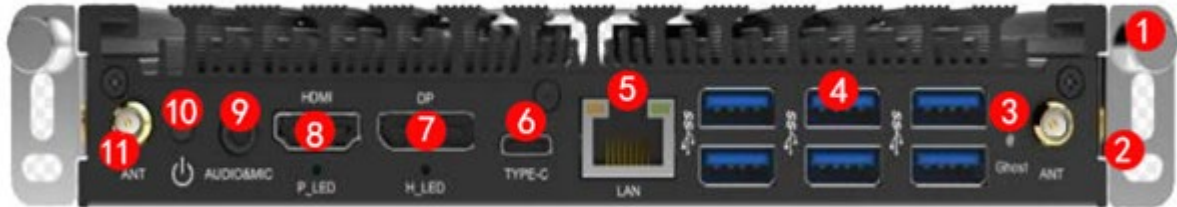
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## External view



This picture is for reference only, please refer to the actual product.

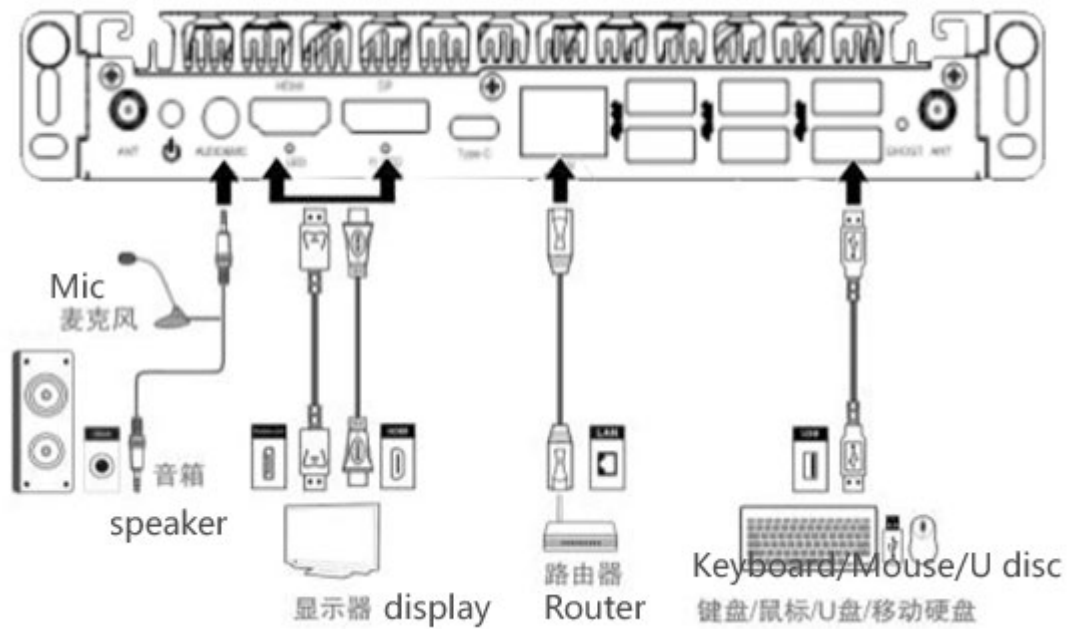
## I/O port and panel



No,	Port	Function
1	handle	Handheld handle for easy plugging and unplugging of the computer.
2	Screw hole	Fix OPS
3	Ghost	One-click restore , restore system
4	USB3.0 Port	USB3.0 Ports. connecting USB devices such as portable hard drives, USB mice/keyboards, USB drives, etc.
5	Network	Wired network interface
6	TYPE-C	USB3.0 Ports.Connect to USB devices, such as portable hard drives, USB mice/keyboards, USB drives, etc.
7	DP	Connect to the display with DP output.
8	High definition HDMI	Connect to display with HDMI output port.
11	WiFi antenna	Connect to Antenna pole
9		Audio input and output are connected to audio devices such as headphones and speakers.
10		Power ON/OFF

## Product connection

The following diagram shows the connection diagram of all ports on a pluggable computer to external devices. You can choose the port to connect to external devices according to your needs.



## 2 Installing OPS PC



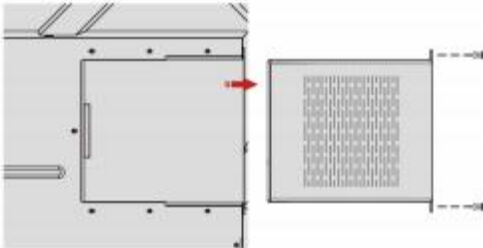
### Warning

Prohibit the following operations on pluggable computers, otherwise it will affect the use of the product and even cause damage to the product!

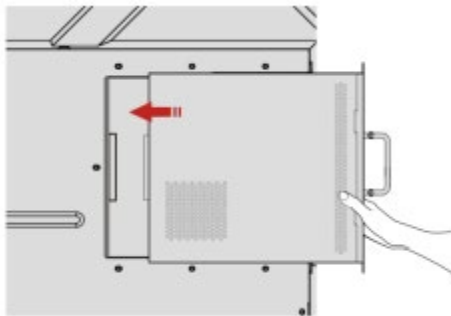
It is strictly prohibited to plug or unplug a pluggable computer with electricity. Please make sure to disconnect the power of the large screen or whiteboard all-in-one machine before plugging or unplugging a pluggable computer.

Step 1 (optional) : Unscrew the screws and remove the baffle from the large screen or whiteboard all-in-one machine.

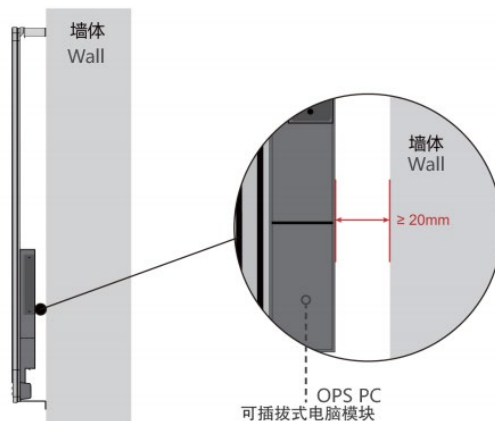
Remark: This step is optional and is suitable for installing a pluggable computer on machines with a back panel.



Step 2: Push the pluggable computer horizontally into the dedicated interface card slot as shown in the diagram.



Step 3: Ensure that the distance between the rear pluggable computer and the installation wall for heat dissipation is not less than 20.0mm (as shown in the figure below, taking installation on a large screen as an example).





# 3 One-click restore operation

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At present, there are slight differences in the restoration schemes used by different models of pluggable computers. Please pay attention to distinguishing when restoring.

Do not power off during system backup or restore.

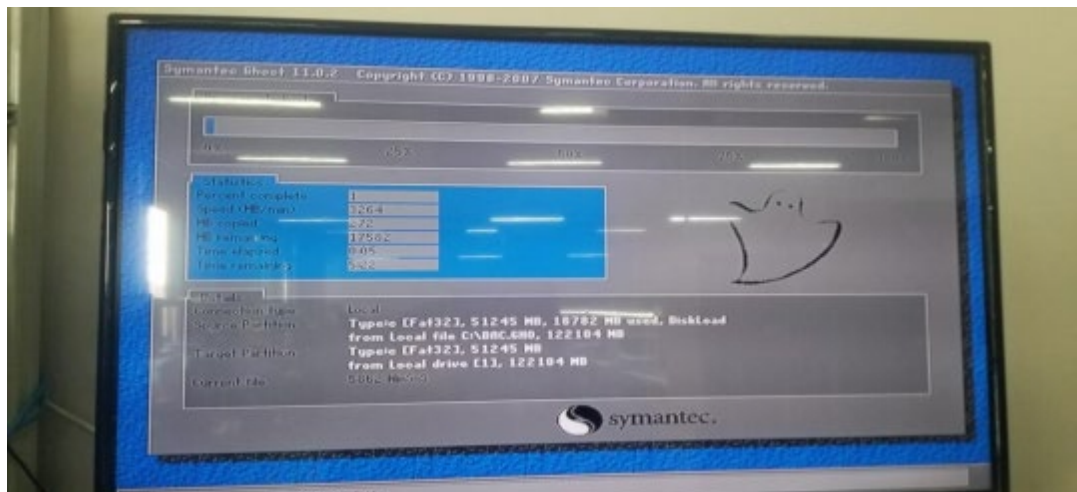
## Hardware restoration

Step1 The hardware restoration function can be achieved in the following three situations:。

- After powering on the large display or whiteboard all-in-one display, press the power button and use tools such as ballpoint pens to press the button on the large screen or all-in-one machine “**PC Restore**” Key.
- Large display or whiteboard all-in-one display Power On, OPS PC Power off Press the power on/off key , while pressing the “**GHOST**” Key of OPS PC for 3s.
- Large display or whiteboard all-in-one display Power On, under windows system restore OPS PC, While press “**F12**” Key of Keyboard.



**External Keyboard Diagram**



After the above interface appears, release it.  
After the pluggable computer restarts and enters the system, the restoration is successful.

# System backup



If the OPS computer needs to back up the system again, use this method to back up the system.

Connect the keyboard to the USB port of the pluggable computer, large display or Interactive whiteboard, and enter the self-test after the OPS PC starts up.

Backup method: You need to use a PE USB flash drive to delete the original backup system into the PE, and then use the original operation as the backup system. (The system has been backed up on all OPS PC delivered before delivery. You are not advised to back up the system again except in special circumstances.)

**Note: If an error occurs during the system restoration or backup process, the hardware restoration function is damaged and the system needs to be manually reinstalled**

# 4 BIOS Common functions

You need to run the BIOS setup program in the following situations:

An error message appears on the screen during the system self-test, and you are asked to enter the BIOS setup program.

You want to change the factory defaults based on customer characteristics.

Remark: Because the BIOS version of the motherboard is constantly upgraded, the BIOS description in this manual is for reference only. We do not guarantee that the relevant content of this operating instruction is consistent with the information you have obtained.

## Enter BIOS set up program

Start up PC, You can see this information in the self-check screen:

**Press <DEL> to enter Setup, <F11>to popup menu**

Press the <DEL> key to enter the BIOS setup program. If the prompt disappears before you respond and you still want to enter the setup program, restart the system by shutting down the computer and restarting it, or simultaneously press <Ctrl> + <Alt> + <Del> to restart the system.

## Starting sequence Shortcut Settings menu

After turning on the power or restarting the system, you can see the following information in the self-test screen: Press <DEL> to enter Setup, <F11>to popup menu

At this time, press F11 to display the menu as shown in the following figure. Directly press the up and down arrow keys to temporarily specify the device to be booted without entering the BIOS setting.



Exit the BIOS setup program

Choose "BIOS Setup Program > Exit" and choose "Save Changes and Exit" to save the changes and exit the BIOS setup program.

Discard Changes and Exit This log is generated when you select Discard Changes and exit the BIOS configuration program.

# 5 FAQ

Problem	Cause and solution
Pluggable computer boot into the system why sometimes very Slow?	<p>The reasons are as follows:</p> <p>After entering the system, the system needs to load background programs and applications. If the system shuts down before the program is fully loaded, the system will detect the cause of the last abnormal shutdown at the next startup, resulting in a longer time to enter the system.</p> <p>In the case of normal operation of the system, forced shutdown or accidental power failure, the next boot into the system will also detect the cause of abnormal shutdown and affect the system entry time.</p> <p>You are advised to shut down after the background program is loaded.</p>
Why does the newly installed system automatically black out at a certain time?	On the newly installed system, the power saving mode and screen saver mode are enabled by default. When the preset time is reached, the system automatically enters the specified state, such as sleep or hibernation. You just need to disable this feature in your system Settings.
Is there no sound output for playing audio and video files after inserting a large screen into a pluggable computer?	Example Set the default player device to a large-screen player.
Why does the OPS PC boot directly into the CMOS setup interface?	OPS PC turns on and looks for a bootable hard drive into the appropriate system, If no bootable hard disk is found, the CMOS setting screen is displayed by default. Check whether the hard disk is damaged or connected properly.
How do I turn off USB KB/MS?	Startup by pressing the Keyboard “DEL”key to enter “BIOS SETUP”, choose menu “Advanced”, “Power Management configuration”, press “Enter” enter “Power Management configuration”item, change “USB KB/MS Wakeup From S3/S4” Default value to Disabled”。
Six generation CPU series of pluggable computer installation After Windows 7, why can't USB keyboard and mouse be used?	<p>The sixth-generation CPU series of pluggable computers belong to the Skylake platform, which removes the EHCI control and supports XHCI control instead of Windows 7</p> <p>The system does not support XHCI master control, so the USB mouse and keyboard will be invalid.</p>
How Can I Run the Command Prompt as an Administrator in Windows 10?	Click the "Windows" icon in the lower left corner of the desktop, find the "Windows System" folder in the pop-up menu, select "Command Prompt", click "More" under the sub-menu, and then select "Run as administrator" to open the operation interface.

## EU Conformity Statement



This product complies with the applicable CE marking directives and standards:

Electromagnetic Compatibility (EMC) Directive 2014/30/EU.

Low Voltage (LVD) Directive 2014/35/EU

Restrictions of Hazardous Substances (RoHS) Directive 2011/65/EU and its amending Directive (EU) 2015/863.



**WEEE Directive–2012/19/EU:** Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

For more information see: [www.recyclethis.info](http://www.recyclethis.info)

Warning: Operation of this equipment in a residential environment could cause radio interference

### Declaration of Conformity

Hereby, we declare that the product is compliance with Radio Equipment Directive (RED) 2014/53/EU. The full text of the EU declaration of conformity is available at the internet address as shown on the packing box.

This product can be used across EU member states.

The frequency, mode and the maximum transmitted power in EU are listed below:

- 2400-2483.5MHz: < 20 dBm (EIRP)
- 5150-5250MHz: < 23 dBm (EIRP)
- 5250-5350MHz: < 23 dBm (EIRP)
- 5470-5725MHz: < 30 dBm (EIRP)

The device is restricted to indoor use only when operating in the 5150 to 5350MHz frequency range. (for 5G product only)

### Radiation Exposure Statement

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & body.

## FCC Statement

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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.