

OPS User's Manual

IdeaHub Series OPS I7

Version 1.0

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Package Checklist

Thank you for choosing our products.

Before using your product, please make sure your packaging is complete, if there is any damage or you find any shortage, please contact your supplier as soon as possible.

- ★ Complete machine X 1
- ★ Instructions X 1
- ★ Antenna X 2

Product Specifications

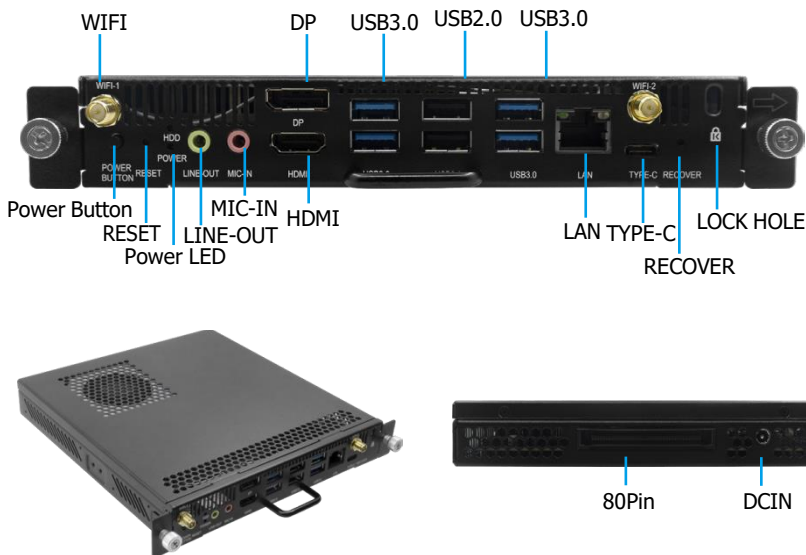
Processor	- Intel® Coffeelake I7-8700 3.2GHz
Memory	- 16GB SO-DIMM DDR4 2400MHz
Storage	- M.2 2280 256G SSD
Display Controller	- Intel® HD Graphics
Audio	- Realtek ALC662 HD Audio IC
Network	- Realtek Gigabit Ethernet
Display Interface	- HDMI 1.4 , DP1.2
WIFI/BT	- AW-CB231NF
USB	- 1 x USB3.0 Type-C, 5V/1A - 4 x USB3.0 Type-A, 5V/1A - 2 x USB2.0 Type-A, 5V/1A
JAE 80-Pin	- HDMI2.0 + 3 x USB3.0/2.0 etc
Power Supply	- 19Vdc,4.74A
Size	- 195 x 180 x 30mm
OS	- Windows 10
Weight	- Net weight: 1440g; Gross weight: 1840g

Safety Instructions

In order to use your computer safely and effectively, please read the following carefully before use:

- To avoid electric shock or product damage, turn off the AC power supply before connecting (non plug and play) equipment.
- Avoid using this product in the environment with too high or too low temperature (working temperature: 0-40℃; humidity: 10%-90%RH; storage temperature: -20-60℃).
- Do not use wet cloth to clean your computer to prevent liquid dripping into the computer and causing burning.
- In order to avoid unnecessary damage to the product caused by frequent switch on and off, wait at least 30 seconds before starting the machine.
- Do not subject the product to strong shock or vibration, so as to avoid equipment failure or damage.
- Do not disassemble the product by yourself. For safety reasons, when your product breaks down, please give it to qualified professionals for solution.
- Replacement of a battery with an incorrect type that can defeat a safeguard.
- Disposal of a battery in fire or a hot oven, or mechanically crushing or cutting the battery can result in an explosion.
- Leaving a battery in an extremely high temperature environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- The equipment is specified to be operated up to 5000m above sea level.

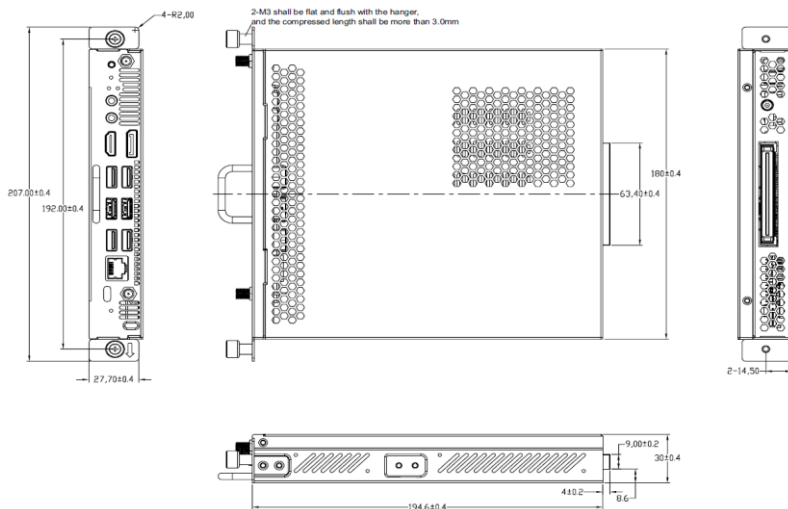
Appearance Drawing



I/O Interface Description

- WIFI: WIFI antenna interface.
- PWR BUTTON: Power on button.
- RESET: RESET button.
- HDD_LED: Hard disk indicator.
- PWR_LED: Power indicator.
- LINE_OUT: Audio out connector.
- MIC_IN: Microphone jack.
- DP: DP display interface.
- HDMI: HDMI display interface.
- USB3.0: USB3.0 interface.
- USB2.0: USB2.0 interface.
- LAN: RJ45 network interface.
- Type-C: Type-C interface.
- RECOVER: RECOVER button.
- LOCK HOLE: Security lock hole.
- JAE 80 PIN: 80 PIN extension interface.
- DC IN: DC power connector.

Product Dimension Drawing



Usage Method

[Description]

- After the OPS-C module is installed, OPS-C is used as the touch host by default for the touch screen of the whole machine. When the side touch is connected to the external computer, the external computer is used as the touch host. At this time, the display channel from the signal source to the external computer should be switched for touch.

OPS-C Switch

You have selected and installed OPS-C module. If the power is turned on in the whiteboard channel or another channel switches to the whiteboard channel, OPS-C module will start automatically.

[Description]

- Powering off the Team Collaboration Board directly will damage the hard disk of OPS-C module. It is strongly recommended that you use the following two methods to power off:

- When the Team Collaboration Board is turned off, use the standby key of the remote control or the shutdown key of the Team Collaboration Board. At this time, the OPS-C module will shut down normally, and then cut off the power supply.
- Close OPS-C manually and use the computer's own start menu.

- After the OPS-C is shut down illegally due to the direct power failure of Team Collaboration Board, the windows repair interface will appear. At this time, the touch screen will fail. Only USB keyboard or wireless keyboard can be used to confirm the repair. After the repair is completed, the system will continue to enter.

OPS-C Settings

For the new OPS-C module, you need to enter BIOS to set the module. During the OPS-C power on process, enter the BIOS option according to the prompt. In advanced

> powermanagement configuration:

1. Wakeup By USB KB/MS set as : Enabled;
2. Power Loss State set as: Power Off;
3. Enter the power option in the win10 control panel, set the off display time and sleep time to "never", and define the function of the power button as "off".

[Description]

• The OPS-C module will not operate the computer for a long time when it is in the off state. The Team Collaboration Board will enter the standby state. If you need to use the module, restart it.

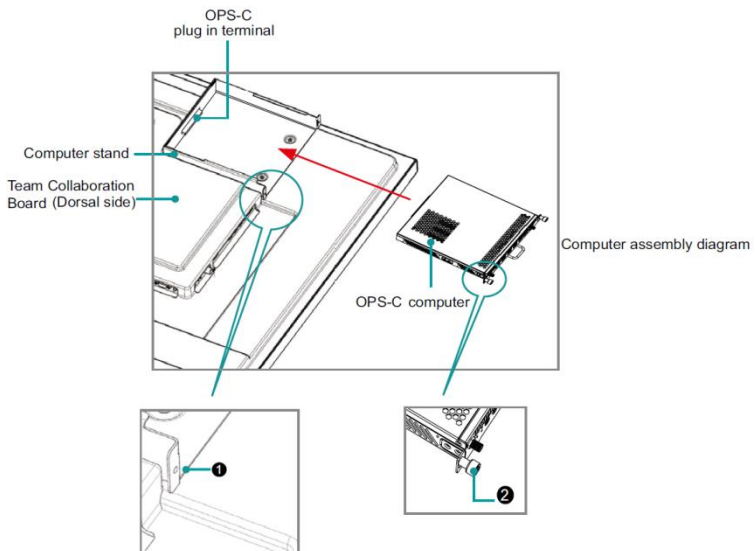
Installation Method

I. Installation Sequence:

1. The Team Collaboration Board is set to "off" state, and the indicator light is off.
2. Operators shall wear anti-static gloves and take out OPS-C computer.
3. OPS-C computer assembly steps:

(1). Team Collaboration Board is compatible with OPS-C interface computer, and the assembly instructions are as follows:

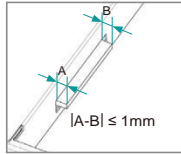
[Note] The configuration of Team Collaboration Board and computer bracket of different models is different, but the assembly method is the same.



① It is the connection screw between the computer bracket and the computer, which can be matched with the ②

② Assemble the fastening screws for OPS-C computer, which can be matched with ①

Before assembling the computer, please check the shape of the OPS-C plug-in terminal, as shown in the following figure:



OPS-C Terminal assembly tolerance description

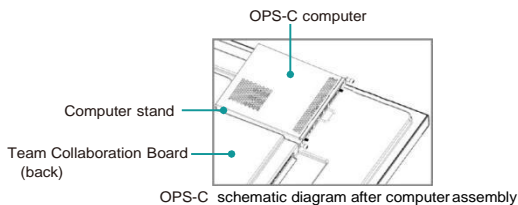
(2). Assembly Route Description:

a. Place the Team Collaboration Board vertically or prone (LCD screen facing the ground side) stably to ensure sufficient operation space around the computer bracket on the back of the TV.

b. Insert the OPS-C computer into the computer bracket along the route shown in the figure. Until ② and ① fit snugly.

c. Use the computer model with its own screw, tightening torque: $0.5 \text{ Nm} \leq M \leq 0.8 \text{ Nm}$.

(3). The style after assembly is as follows:



(4). Precautions after assembly:

a. After the computer is installed, ② and ① should be in a tight fitting state (the same on the left and right sides).

b. The screws shall be fastened reliably without looseness. The computer doesn't shake.

4. After the above steps are completed, the TV can be switched on. After power on, the OPS-C computer starts, carries on the operating system interface, confirms that there is no abnormality, and the first start is completed.

5. Computer settings:

(1). After the computer is started normally, restart the computer and use the USB keyboard or the Fkey area on the remote control. Follow the instructions of the computer

Enter the BIOS interface of the computer, and set the following options in the BIOS:

a. Wakeup by USB KB / MS is set to enabled;

b. Power loss state is set to power off;

Start the computer normally after saving.

(2). After the computer enters the operating system, enter the control panel of the windows system and set the following options as follows:

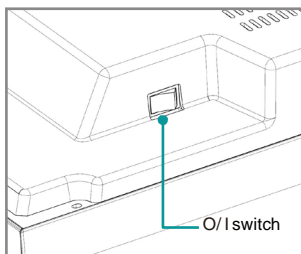
a. The power button is defined as "shut down";

b. Power plan, turn off display: set to never; sleep set to never.

II. Precautions for OPS-C Computer Operation:

1. Shutdown

(1). No AC shutdown. When the OPS-C computer is turned on and running, it is forbidden to directly "switch off" the Team Collaboration Board, that is, press the "O / I" switch to switch off;



O / I Switch schematic

(2). If OPS-C computer is not starting or running, it can be shut down with "O / I" switch. Otherwise, use the following methods 1 and 2 to shut down.

Shutdown mode 1: use the remote control or touch menu, select "OPS-C off", confirm that the OPS-C computer is off, and then operate the "O / I" switch to shut down. Or use the remote control or soft control menu to directly press standby. After standby, turn off the machine.

Shutdown mode 2: in the OPS-C computer operating system, shut down the OPS-C computer normally, and the computer indicator light is off. Then use the "O / I" switch to operate the shutdown.

2. Remove OPS-C Computer

(1). Do not hot plug. When the OPS-C computer is on or running or the display is on, it is forbidden to unplug the OPS-C computer directly;

(2). Confirm that the Team Collaboration Board and OPS-C computer are not started or running (all indicator lights on the front panel of the all-in-one machine have been off), then unplug the computer. Pay attention to keep the computer level and avoid obvious up and down twisting and pulling out.

Declaration of RoHS2.0 Compliance

IdeaHub Series OPS I7 has been designed and manufactured in compliance with Directive (EU)2015/863 of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2.0 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr6+)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Diethylhexyl phthalate(DEHP)	0.1%	< 0.1%
Dibutyl phthalate(DBP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

**Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:Examples of exempted components are:

1. Lead in glass of cathode ray tubes
2. Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
3. Lead as an alloying element in aluminium containing up to 0.4% lead by weight
4. Copper alloy containing up to 4% lead by weight
5. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
6. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound


NOTE:

The accessories may be different from the list above due to different models, countries /regions, please refer to the actual accessory bag.

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Hisense Visual Technology Co., Ltd. declares that the radio equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://global.hisense.com/downloads>.

Wireless	Module	AW-CB231NF
	Frequency Range	5745~5825MHz 5150~5350MHz 2400~2483.5MHz
	Max Output Power(e.i.r.p.)	5745~5825MHz ≤13.8dBm 5150~5350MHz ≤20dBm 2400~2483.5MHz ≤20dBm 2400-2483.5MHz (Bluetooth) ≤10dBm

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR	IT	CY
	LV	LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI
	SE	UK	TR	NO	CH	IS	LI						

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