






Standing Operation Desk
OP079
User Manual

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Symbol Definition	
	WARNING: Indicates information that a potentially hazardous situation which, if not avoided, could result in serious injury or death.
	RISK OF ELECTRICAL SHOCK: Indicates information that Potential shock hazard where HAZARDOUS LIVE voltages greater than 30V RMS, 42.4V peak, or 60V DC may be accessible.
	ESD HAZARD: Indicates information that Danger of an electro-static discharge to which equipment may be sensitive. Observe precautions for handling electrostatic sensitive devices
	ATTENTION: Identifies information that requires special consideration.
	TIP: Identifies advice or hints for the user.

Safety& Caution Symbols

The following table lists Safety& Caution symbols used on equipments.














No.	Symbol	Description
1		Direct current (DC)
2		Alternating current (AC)
3		Ground (Earth) terminal
4		Protective earth (ground) terminal
5		Reference ground (Earth) terminal
6		Frame or chasis
7		Equipotentiality
8		On (power)
9		Off (power)
10		Caution, risk of electric shock
11		Caution, hot surface
12		Caution, risk of danger
13		Electrostatic sensitive devices (ESD)

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OP079 Standing Operation Desk User Manual

Section 1 Overview

OP079 Standing Operation Desk (hereinafter referred to as "OP079") is a height-adjustable, electric sit-stand operation desk designed for operation workspace. It is easy to assemble and can hold multiple operation hardware and compatible components.

1.1 Functions

- Modular design allows convenience of transportation, ease of installation, configuration, and maintenance.
- Components are replaceable.
- Vent design keep your equipment always in good condition.
- Supports holding two chassis.
- Sturdy structure ensures stability, durability, and reliability.

1.2 Structure

OP079 consists of top surface, body, height adjuster, back panel, and side panel. See Figure 1-1 of its structure and appearance.

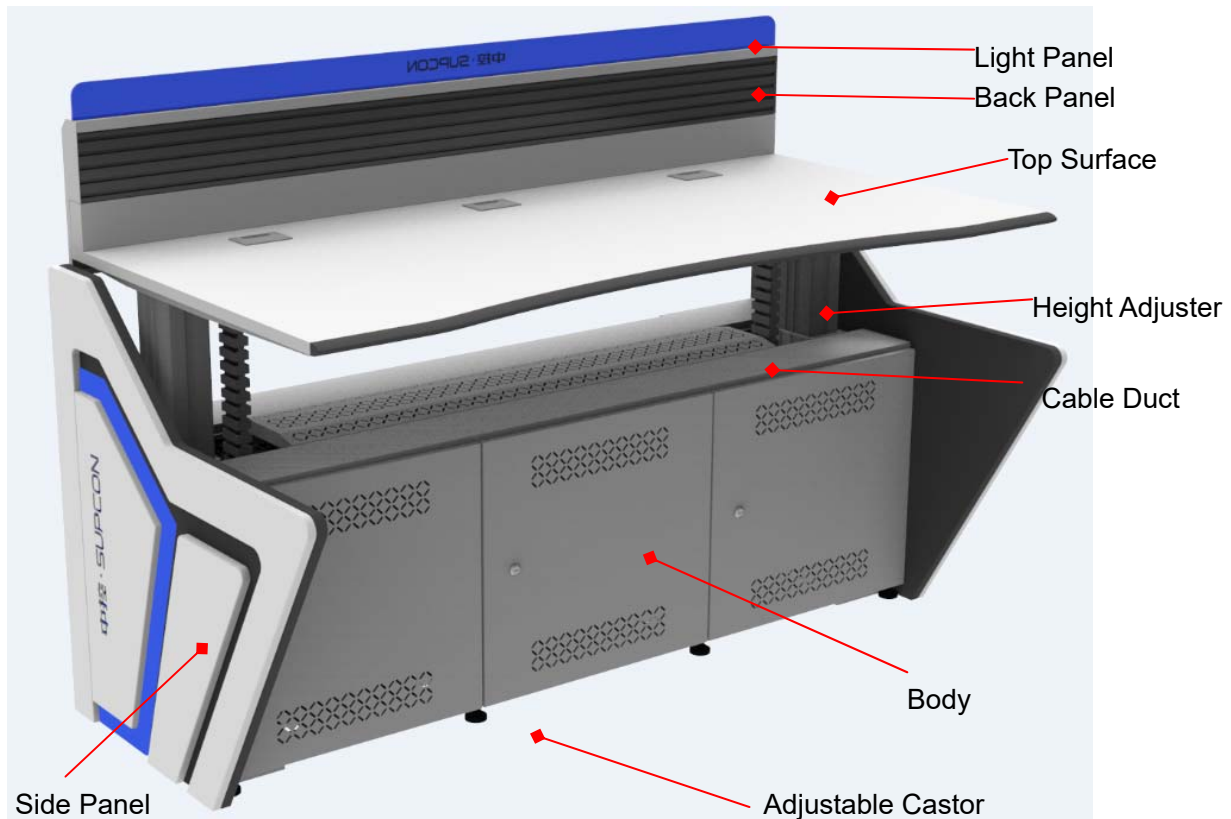


Figure 1-1 OP079 standing operation desk structure

- Top surface: place keyboard (industrial or normal), mouse, and LCD monitor here.
- Body: consists of frame, back and front doors. Internally, it is designed with power distribution unit, wiring terminals, and grounding copper bar. Two computer chassis (vertical) can be installed.
- Power distribution unit: includes wiring terminals, power socket, and power distribution board. Power switcher can be optionally installed on the inside of the desk. When two groups of independent power are provided from the external, they can flow into the power socket through power switcher. If only one group of power is provided, it enters the socket through wiring terminals.
- Grounding copper bar: connects to the protective ground of the control system.
- Side panel: installed on the two sides of a group of or a row of operation desks.
- Light panel & back panel: made of sheet metal and aluminum profile. Color is customizable. The back panel is assembled with a sheet metal support and panel, as well as aluminum bolts. Single layer of monitors, accessories such as phone base, light, and folder can be attached to it.
- Height adjuster: uplift the desk within the range from 0 to 500 mm.

1.3 Dimensions

The size of OP079 is shown as Figure 1-2 below.

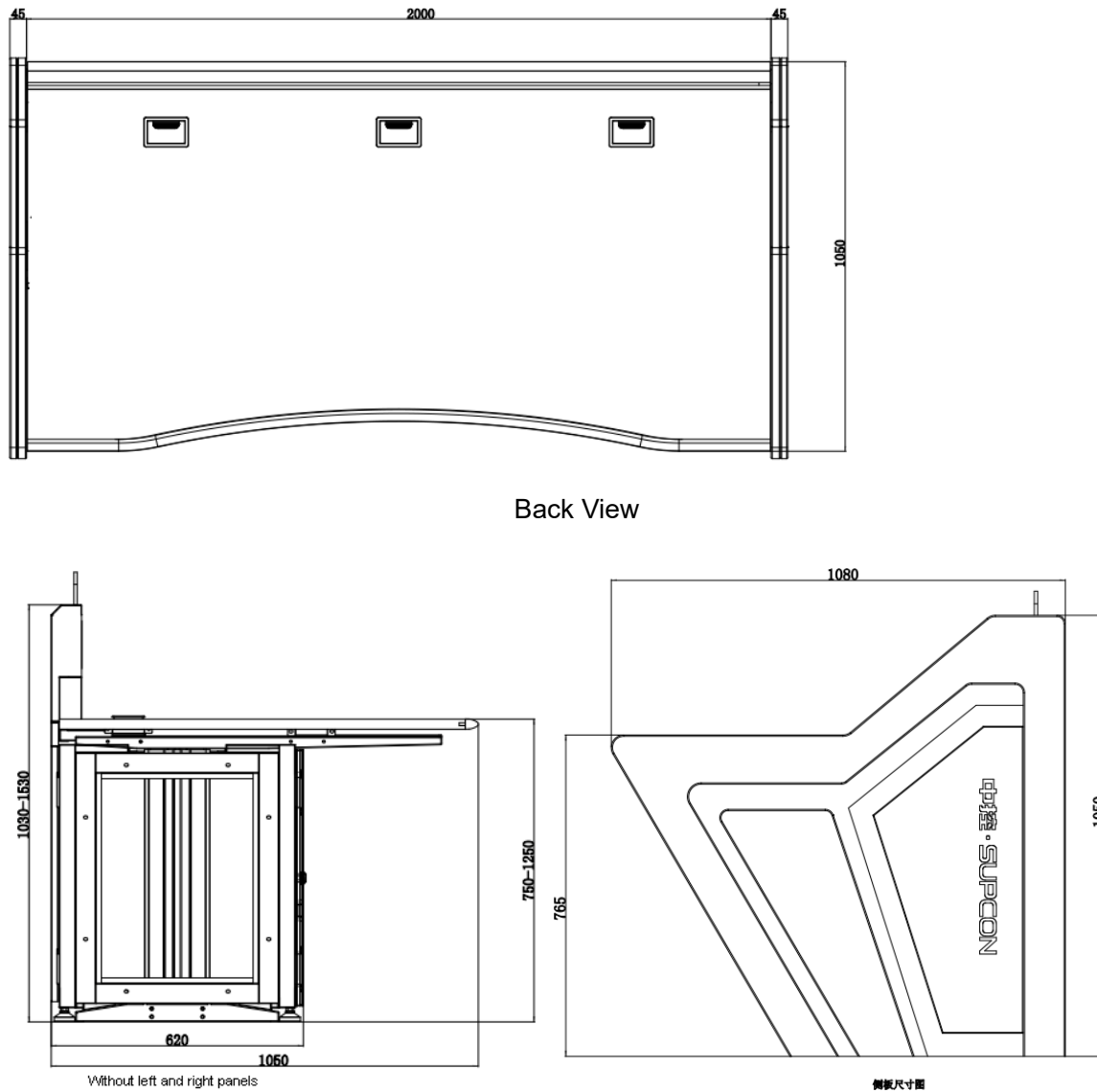


Figure 1-2 Dimensions of OP079 (unit: mm)

1.4 Technical Specifications

- Material:
 - Top surface and side panel: flameproof sheet
 - Body: cold rolled sheet
- Standard color: mostly in white
- Storage environment:
 - Temperature: -40 to $+70$ °C
 - Humidity: 5%–95%, non-condensing
- Transportation environment:

- Temperature: –40 to +70 °C
- Humidity: 5%–95%, non-condensing
- Operating environment:
 - Temperature: +5 to +40 °C
 - Temperature change rate: 0.5 °C/min
 - Humidity: 5%–85%, non-condensing
- Standards:
 - GB/T 7269-2008 Arrangement, types, and basic dimensions of consoles for electronic equipment
 - GB/T 10217-1988 Design guide of the outline and structure for the electric control equipment
 - DLT 575.1-1999 Ergonomic principles for the design of control centres

Section 2 Safety Notices

Electric Safety

- Install during power off.
- Do not directly contact components with electricity.
- Do not touch exposed terminals of distribution unit when the system is running.
- It is strictly forbidden to directly use a conductor to distribute power from the socket in the power distribution unit.

Transportation

- Inclining angle must be less than 10°.
- Handle with care, and avoid rolling or put it upside down.
- Avoid intensive collision or vibration.
- Do not move the system with castors.
- Be extremely careful when hoisting the product by a forklift; objects shall not be moved at the same time.

Protection

- Unpacking before moving is strictly prohibited. Goods should be moved to the installation field before unpacking.
- Please wear protective outfits, such as gloves, to prevent accidental injuries.

Section 3 Unpacking and Checking the Package

To unpack the product:

- 1) Make sure personnel from two parties of supply and demand and the package box all have arrived at the installation field.
- 2) Disassemble the metal parts on the four corners of the package box.
- 3) Pry up the cover of the package box.
- 4) Remove the side boards of the package box.
- 5) Take out the packing list, and check the quantity and quality against the list.
- 6) Both parties should sign to confirm the result.
- 7) Clean up the installation field.

Section 4 Installation

4.1 Preparations

Tools

- Transport: forklift or platform truck
- Unpack: a steel pry bar or a hammer with pry bar
- Install: Phillips screwdriver, hex wrench, slotted screwdriver, 17 mm wrench

Ground Requirement

Flat and clean. No need for reinforcement.

4.2 Fixing Operation Desk

Directly place the desk on the ground. Adjust the 8 adjustable feet until they are horizontally aligned. See Figure 4-1.



Figure 4-1 Fixing the operation desk and adjust its feet

4.3 Attaching Side Panels

Attach the side panels to the body with M5×16 screws. See Figure 4-2.

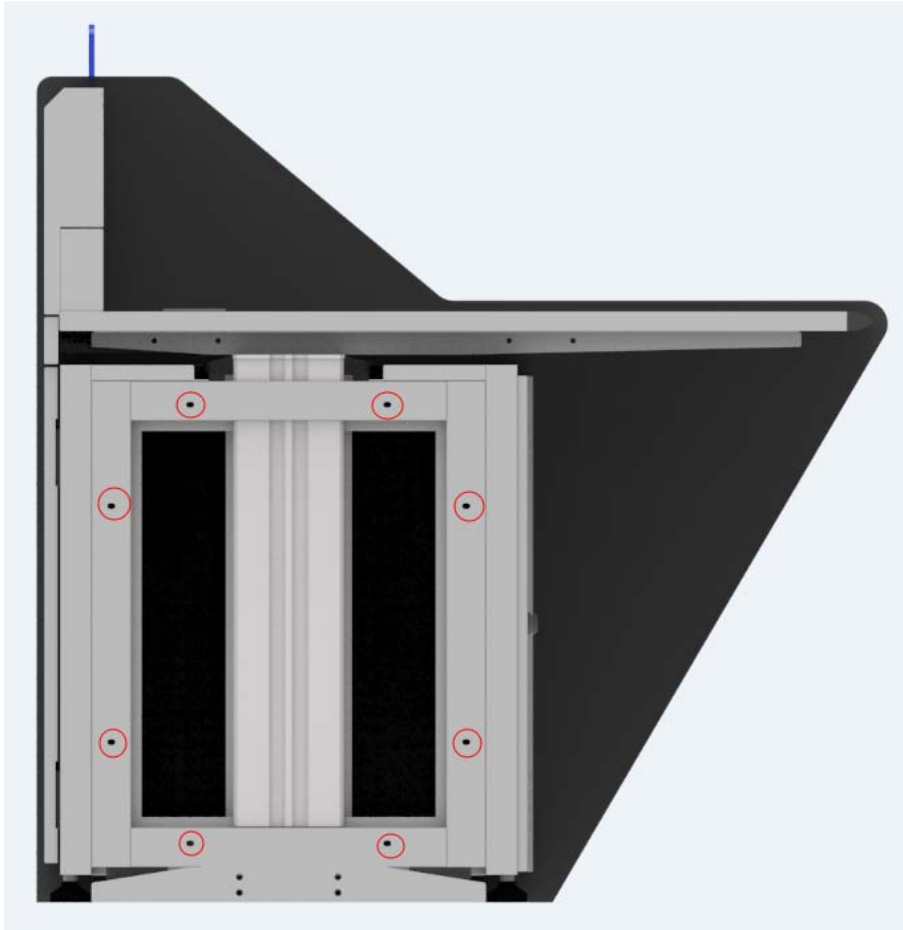


Figure 4-2 Side panel holes

Section 5 Adjusting Operation Desk

5.1 Keypad

The appearance is shown in Figure 5-1.



S-SET, 1-Save, 2-Save, 3-Save, ^-Up, v-Down

Figure 5-1 Keypad panel

5.2 Initialization

If any error occurs, or the screen displays "RST", you need to initialize the adjuster.

Step

Press and hold v key until the motor stops. Then press and hold v again for 5 s. The desk automatically enters initialization mode. When the buzzer beeps, it means initialization is complete. During this process, keep pressing the v key. Otherwise, the system will stop initialization.

5.3 Adjusting Height

- Press and hold ^ key, the desk is uplifted until reaching the highest limit.
- Press and hold v key, the desk is lowered until reaching the lowest limit.
- Press ^ or v to adjust the height for a specified distance.

5.4 Setting Memory Function

Three save keys are provided to memorize three positions of the desk.

To memorize a position: adjust the desk height with up and down keys. Press "S" key, the keypad shows "S-", and "-" flashes. At this point, press "1", "2", or "3" to save the position and mark with the number.

In auto mode (S-6 is 1), if you want to automatically adjust the desk to a preset position, press the corresponding save key. Then the screen will show the height of the position and the desk automatically adjust itself to that position. During moving, press any key to stop the desk from moving.

In semi-auto mode (S-6 is 0), if you want to automatically adjust the desk to a preset position, press and hold the corresponding save key. Then the screen will show the height of the position and the desk automatically adjust itself to that position. During moving, stop pressing the key to stop the desk from moving.

5.5 Setting Height Limits

You can set upper and lower limits for the desk height.

To set the current height as the limit: press and hold \wedge and \vee simultaneously for 5 s. When the buzzer beeps, it means the limit is saved. When the adjuster is at the top half, the limit is saved as the upper limit. If it is at the bottom half, the limit is saved as the lower limit.

To cancel a height limit:

- Method 1: initialize the adjuster.
- Method 2: when the desk is at the limit, press and hold \wedge and \vee simultaneously for 5 s. When the buzzer beeps, it means the limit is canceled.

5.6 Locking and Unlocking

- Lock: press S and \wedge keys simultaneously for 5 s. When the screen displays "Loc", it means the desk height is locked.
- Unlock: press S and \vee keys simultaneously for 5 s. When the screen displays a number, it means the desk height is unlocked.

Section 6 Revision History

Table 6-1 Revision history

Version	Applicable product model	Remarks
V1.0 (20221214)	OP079	First release.