

# **LCD Console Tray CFP185KMM8 & CFP185KMM16**

*User Manual*



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## Attention

- 1、 please read this user manual before you use it;
- 2、 be care for attribute of power ;
- 3、 you must pull out the display part of this set before you use it ;
- 4、 the power will auto turn on or turn off when you pull it out or push it in ;
- 5、 The panel can be open to 110° for using ;
- 6、 Please make sure that the OS of your computer support hot plugging or not ,and read the part about hot plugging of user manual ;
- 7、 We suggest that you should set the resolution of monitor at 1366\*768@60Hz

## Overview

### General description

CFP185KMM8/16 is a console that integrates the KVM Switch function of multiple ports in 1U. It can manage multiple computers through a single set of console (LCD monitor, keyboard and mouse). There is no better way to save space and money than with a CFP185KMM8/16.

One CFP185KMM8/16 can be directly connected and controlled 8/16 hosts matched by cascading switches to control up to 256 PC.

Setup is fast and easy; plugging cables into their appropriate ports is all that is entailed. There is no software to configure, so there is no need to get involved in complex installation or incompatibility problems. CFP185KMM8/16 works on any hardware platform and with all operating systems.

### Features

- Integrated LCD display, keyboard, mouse and switch
- 18.5 inches LED energy-saving display
- Scissors foot type ultra-thin notebook keyboard
- The machine adopts the towline type protective design and signal cable design, to avoid loss caused by the repeated pumping
- High quality dedicated slide rail
- Overall 1U height, suitable for standard cabinet installation
- Do not need to install the software, and allow to operate directly the computer
- The number of computer controller can be expanded to 256 units
- Built in 90-264V AC power supply; Optional -48V Telecom stage DC power supply, Provide safety protection of telecommunication level
- Automatic power protection design, When not using the device, which is to promote the cabinet, automatically enter protected mode
- Meet DDC/DDC2/DDC2B standards, comply with VESA standards

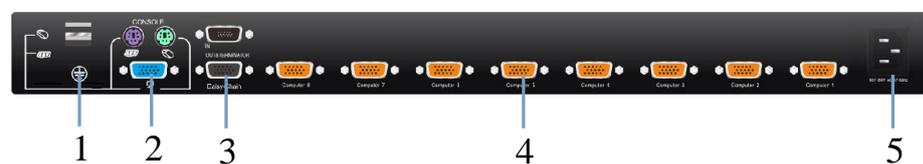
## Appearance

### Front view



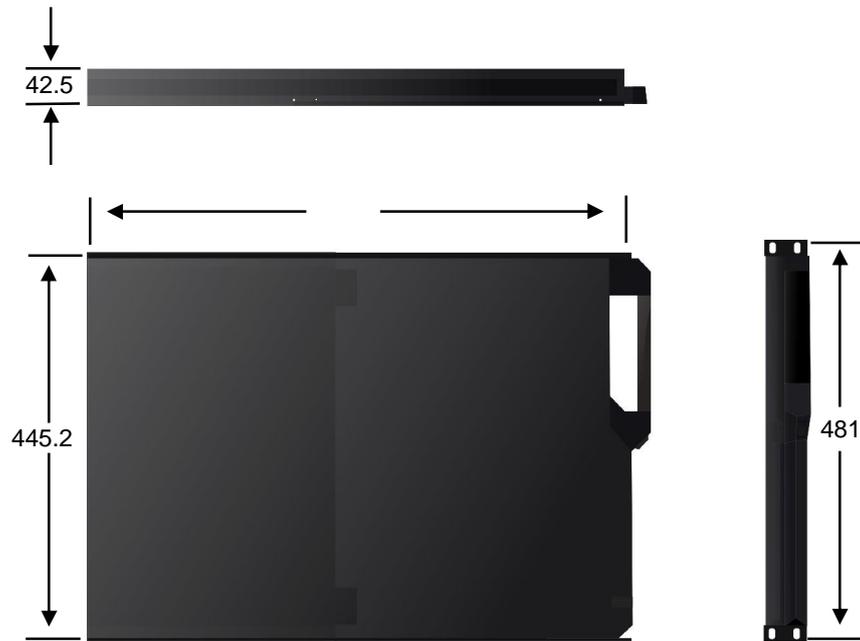
- 1) LCD display
- 2) Keyboard
- 3) Mouse
- 4) Slide rail lock
- 5) LCD OSD key board

### Rear view



No.	Description
1	Earthing point
2	External display port
3	Cascade port
4	PC connection port
5	Power input port

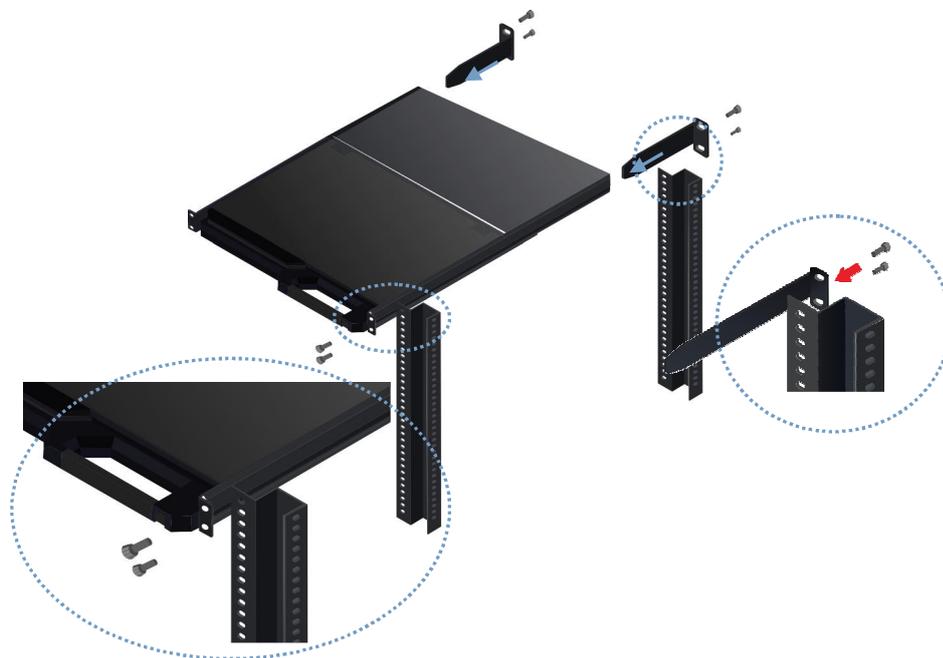
### Structure size



# Installation

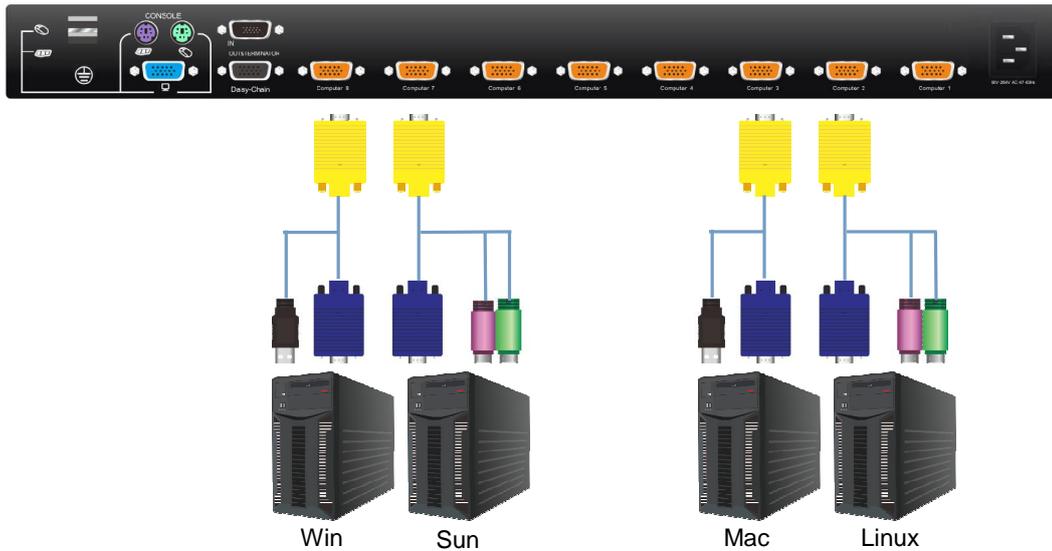
## Rack Mounting

Installation requirements CFP185KMM8/16 conforms to the standard 19" cabinet; suitable for cabinet installation depth: 600mm/850mm.



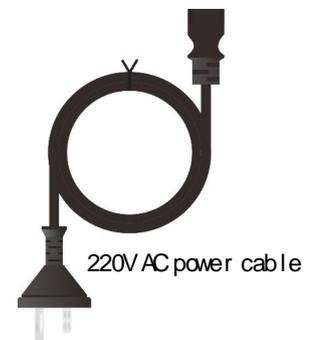
## Connecting equipment

CFP185KMM8/16 signal line and it's use of connection



CFP185KMM8/16 power cord and it's use of connection

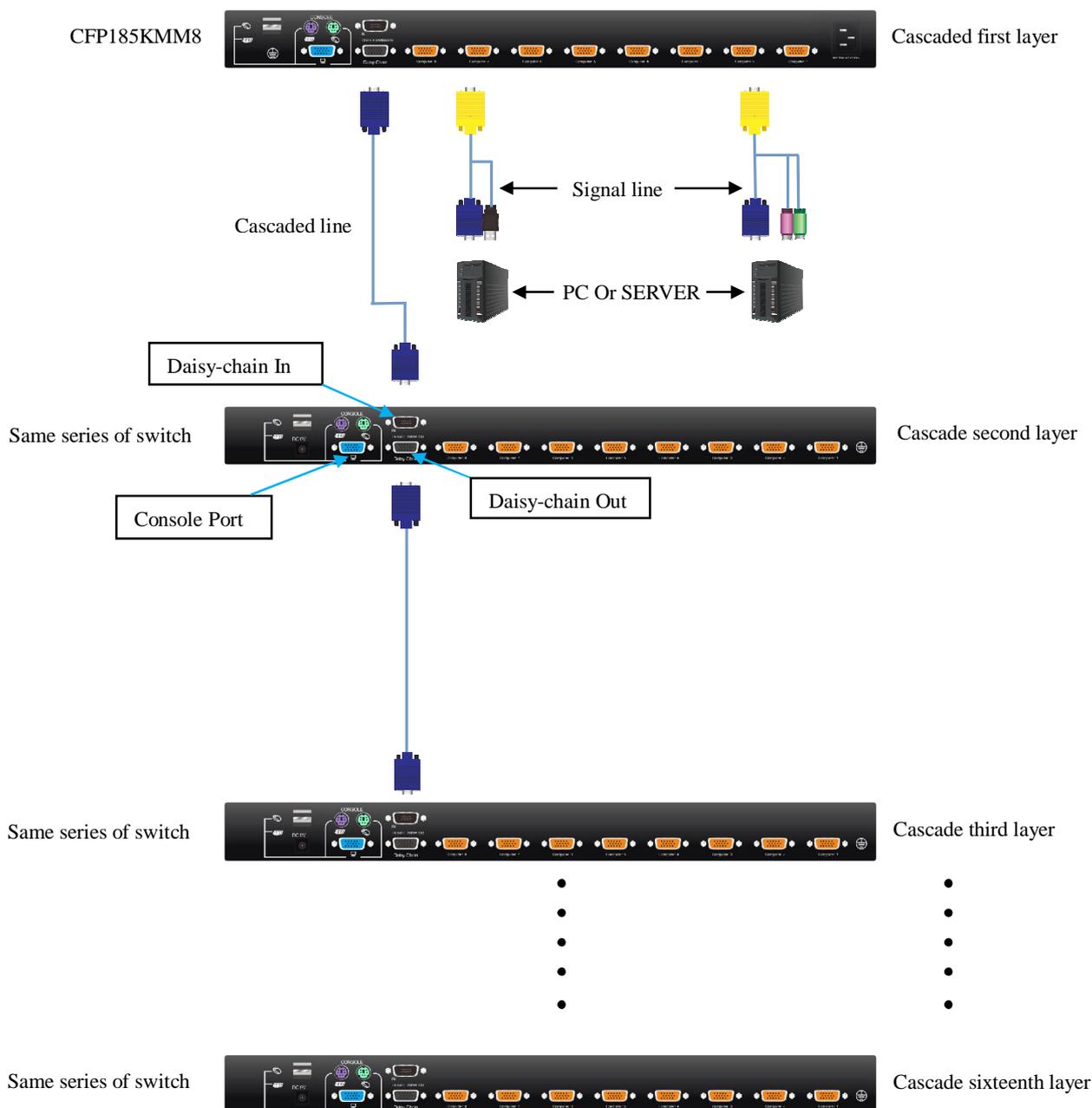
Name	Wide voltage range	Applicable models
AC power cable	96~264VAC / 47~63Hz	AC power input



## Daisy chain connection

If need connecting more (Exceed 8 and 16) PC or Servers, you can through chained Switch in order to control it.

- u Please use the attached 3-in-one daisy chain Cable Kit to daisy chain the Switch.
- u Use one end of Cable Kit to connect the daisy chain port of CFP185KMM8/16 and the other end for the console port of bank switch
- u Please repeat item B to daisy chain more bank as you want. But, the maximum daisy chain bank is sixteen levels.

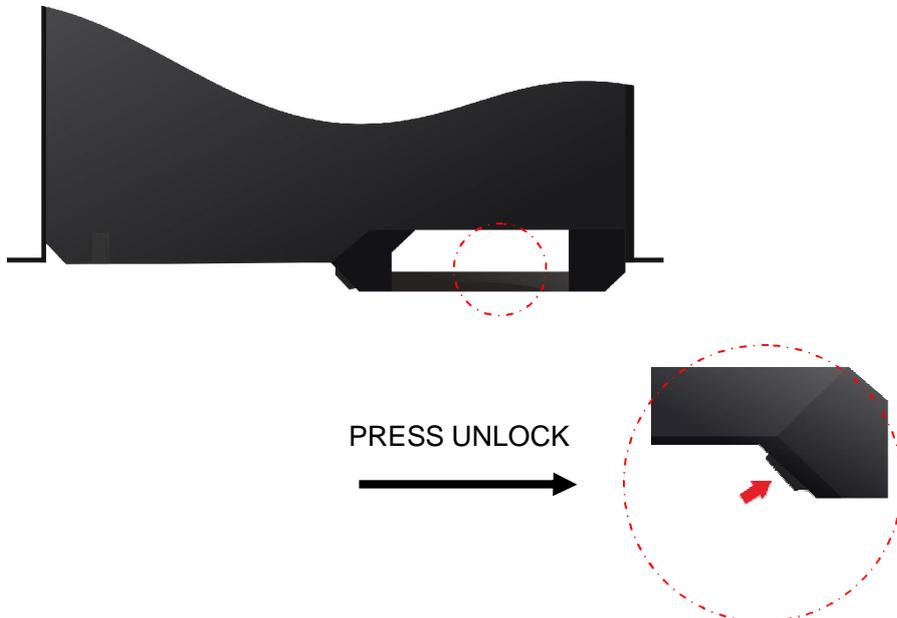


Make sure that all devices on the installation are properly grounded.  
Make sure that the KVM cable and power cord should be connected correctly,  
Then you can use it.

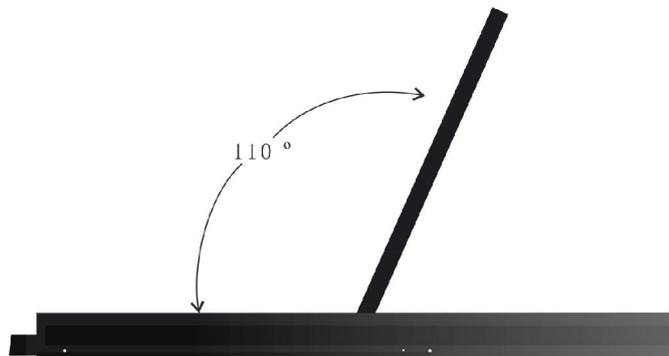
# Use

## Begin to use

- Press the unlock switch;
- pull KVM Drawer panel module out and the slide rail is locked automatically; Power is on;
- Release the front panel locker;



- This can open the display part (be open to 110 degrees).  
Note: the open angle can not be more than 110°, otherwise it may damage the equipment.



- Press the LCD Power button, when the LED indicator is on.

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## Monitor OSD menu

Adjust of Display function depend on LCD OSD Key, Specific control key functions such as table:

Control key name	Function description
LCD POWER	Turn on and off the monitor power
MENU	Calls OSD menu.
AUTO	auto adjust
SL-/SL+	Moves the selector left and right on the OSD menu
Indicator Status	Blue: normal; Purple ( Red + Blue ) :power saving mode or disconnection of signal cable

Please press the AUTO key if the screen's excursion occurs during starting the machine, switching to other channels or at other cases, then the screen will be adjusted automatically to reach the best display status.

We suggest the clients set the display mode at 1366x768@60Hz.

## Switch OSD menu

### Enter the system

Press twice of Lock Caps within 4 seconds into Hot Key Command state You will hear a beep for confirmation and the keyboard is in hot key mode. If you have not pressed any key in hot key mode within 4 seconds, the keyboard will back to under Operation System control state.

Function name	Operation method	Function description
Port switching	+	Switch the last Port.
	+	Switch the next Port.
OSD main menu	+ "Space bar"	OSD main menu eject operation ( See OSD menu operation ) .
Restore factory settings	+ F9 + F11 (Sequence press)	The OSD menu can be reset to the product originals by Administrator.

- OSD menu operation

The Lock Caps key must be pressed twice and then the Spacebar must be pressed within 4 seconds. You will see the OSD menu.

The screenshot shows the 'Main Menu' OSD interface. At the top, it displays '8 PORT KVM' and 'Port: 01'. Below this, it shows 'BANK: 1' and 'CUR: admin'. The main content is a table of ports:

ID	PORTNAME
01	SYSTEM00 ←
02	SYSTEM00
03	SYSTEM00
04	SYSTEM00
05	SYSTEM00
06	SYSTEM00
07	SYSTEM00
08	SYSTEM00

On the right side, there are function keys: F1 AUTOSCAN, F2 CHGNAME, F10 LOGOUT, CTRL MORE, PGDW BANK+, and PGUP BANK-. At the bottom, navigation instructions are shown: ↑ ↓ MOVE, ESC, and QUIT. Callouts from the image point to 'Cascade layer state' (top left), 'Port information' (left side of the port list), 'Current selection port' (top right), and 'Current user' (middle right).

### Main menu operation instructions

Function name	Operation method	Function description
Autoscan	F1	Auto scan mode, This function allows you to automatically switch among the available computers at regular intervals so that you can monitor their activity without having to take the trouble of switching yourself.

<b>Chg Name</b>	F2	Modify the port name, The maximum number of characters allowed for the port name is 8. Legal characters include: "A-Z", "0-9", "-". Case does not matter;the OSD displays the port name in lowercase no matter how they were keyed in.
<b>Logout</b>	F10	Log off the current user, return to the login interface.
<b>More</b>	Ctrl	Enter the secondary menu.
<b>BANK+</b>	PgDw	Switch to the next layer of cascade.
<b>BANK-</b>	PgUp	Switch to a layer of cascade

Under the OSD main menu click the "Ctrl" button, the pop-up secondary menu.



Function name	Function description
<b>Port Search</b>	This option can find the port. In the search for Port Name edit field, enter the part or all of the name you want to find, after press the Enter key, The system automatically filters qualifying ports,and displayed in the bottom window. Select the port and press the Enter key to switch the port.
<b>User Security</b>	This option can set or change password for a user. (Note: only the administrator can perform this function)
<b>Access List</b>	This option can set user access rights. This screen displays the port corresponding to each user access. " " stands for enable, "x" stands for disable.(Administrators have the highest access).
<b>Hotkey Setting</b>	This option can be set hotkey. The default hotkey is Lock Caps. The alternative hotkey: "Ctrl", "Scroll Lock", "Caps Lock".
<b>Timer Setting</b>	This option can set the scan time. The default timer is 3 seconds. The alternative option: "3 SEC", "8 SEC" , "15 SECt" , "30 SEC"

## Other functional operation

### Hot swap

The CFP185KMM8/16 supports hot plugging-which means that components can be removed and added back into the installation by unplugging their cables from the PC connection Ports without the need to shut the unit down.

There are certain procedures that must be followed in order for hot plugging to work properly.

Note: Some O.S. (Operation Systems) like SCO Unix are unable to support “ Hot Plug ” function. If you apply “Hot Plug” to this kind of O.S., it will cause unpredictable behavior or shut down the PC. Before attempting to use “ Hot Plug ” , please make sure your O.S. and software driver supports the “Hot Plug” function.

If it happen unusually the mouse will stop working , In order to make sure the system down will not occur for the unusual state, you should plug down the signal cable of CFP185KMM8/16 ,and insert back the CFP185KMM8/16 after 10 second ,the system will become normal .

### Shutdown

- Press the LCD POWER , shut down the LCD power , LED is off
- Close down the front panel.
- Push Front panel module in properly ,the power is off automatically.

## Troubleshooting

- 1、 Make sure all of the cable is connected ,the CFP185KMM8/16 signal cable is not be connected wrong. Please bundle the cable of PC and mark it.
- 2、 We suggest that the VGA cable is not more than 5 m.
- 3、 Don't press the key board when the system is starting , because the system may do not find the keyboard.
- 4、 When you use the Cable-USB , please set your PC BIOS to enable USB function if PC can't work properly. We suggest that the VGA cable is not more than 5 m.
- 5、 Computer start normal , but the keyboard is not working .  
Make sure other keyboard can be working if it connect to this computer  
Check the signal cable is connected or not.
- 6、 Computer can not detect the mouse.  
Make sure other mouse can be working if it connect to this computer.  
Avoid press the key of mouse or pull out the signal cable when you switch channel.  
Avoid shut down the computer when you switch channel.
- 7、 Because the monitor need 1~2 second for display different models , so that the scan time should set more than 5 seconds .
- 8、 When windows OS show the following information Windows did not detect a mouse attached to the computer, you can safely attach a serial mouse . To attach a mouse to PS/2 mouse port, you must first turn off the computer. Please tick "Do not show this message in the future." To finish Booting Windows O.S.
- 9、 When the SUN servers is starting which the edition of OPEN BOOT below 5.0 , don't operate the function key like "STOP A" before it finish the "booting device"
- 10、 If forgetting the " password " you typed, please contact your supplier.

## Specifications

Project	Name	CFP185KMM8	CFP185KMM16
		Specification parameter	
<b>KVM switching function</b>	Number of computer connections	8	16
	Connect port selection	OSD menu selection, hotkey	
	Cascade port	256	
	Cascade layer	16	
<b>Display function</b>	Recommended resolution	1366 x 768 ; DDC2B	
	Visual area	18.5 Inch	
	Backlight	LED	
	LCD adjustment	4 x Button	
	LCD on / off	1 x Button	
<b>Keyboard and mouse</b>	Keyboard keys	100 Key ( 83 Key keyboard +17 Key independent digital keyboard )	
	Mouse button	2 x Button	
	Compatibility	Support Windows Microsoft system, support MAC system, support LINUX / UNIX / NETWARE system	
<b>The built-in power supply module (Two choose one)</b>	AC power input	90V~264V AC	
	DC power input	-36V~-72V DC	
<b>Power</b>		< 20W	
<b>Working environment</b>	Recommended working / Storage temperature	0-50°C/-20-60°C	
	Humidity	0-80% RH, No condensation	
<b>Physical features</b>	Shell	Metal + Plastic	
	Machine net weight	10kg	
	Equipment size (length x width x high)	594.5mm x 481mm x 42.5mm	

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