RGRAIN

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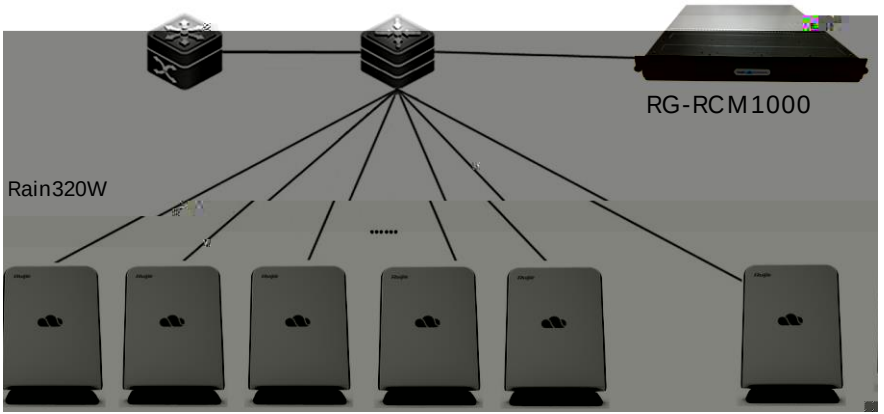
IDV PC

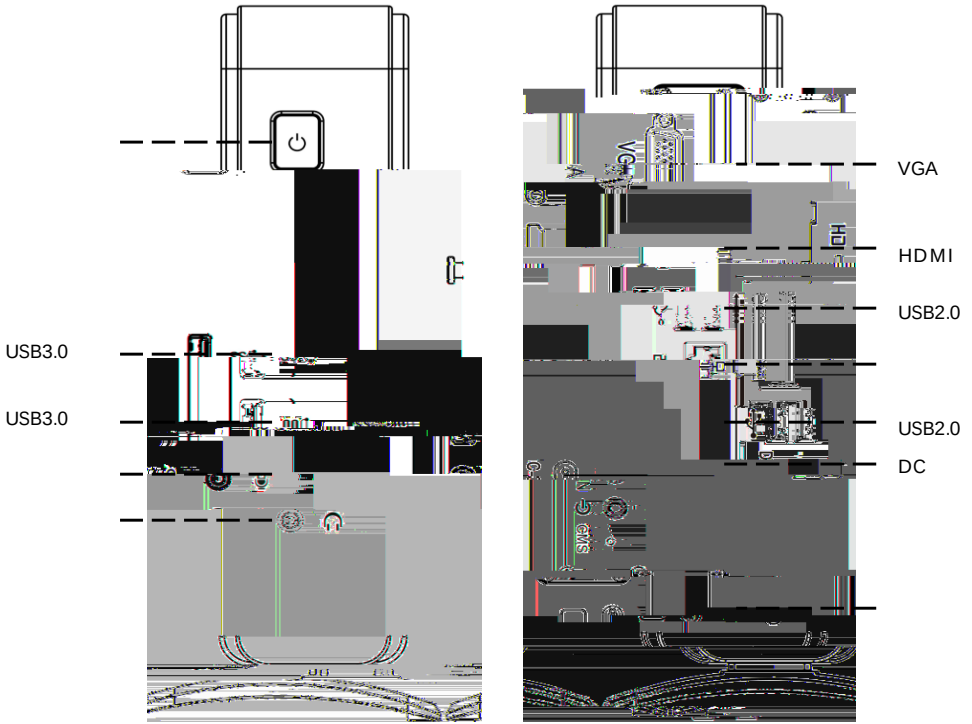
Rain320W Intel

4K

1



1 Rain320W



2 Rain320W

LED

USB3.0 USB3.0 USB3.0 U USB2.0

USB2.0 USB2.0 USB2.0 USB2.0

USB2.0 USB2.0

HDMI HDMI

VGA VGA

12V/4A

Kensington

3.5mm

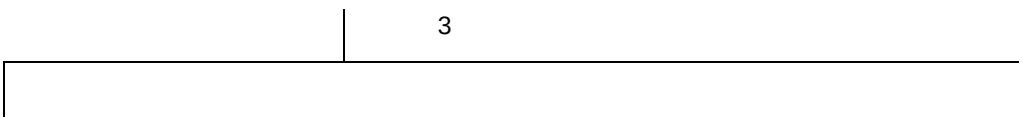
CMS Clear

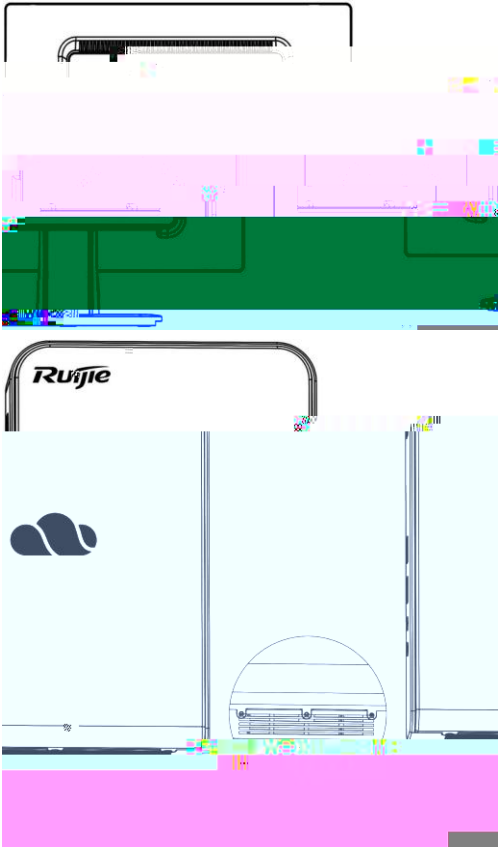
Rain320W 10cm

Rain320W

0℃	40℃	-10℃	50℃	10%	90%
5%	95%	48		15	

Rain320W

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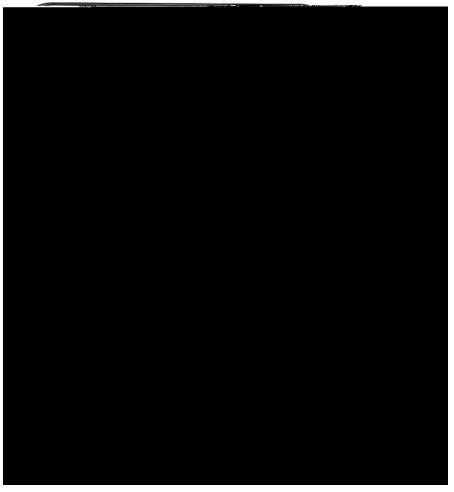

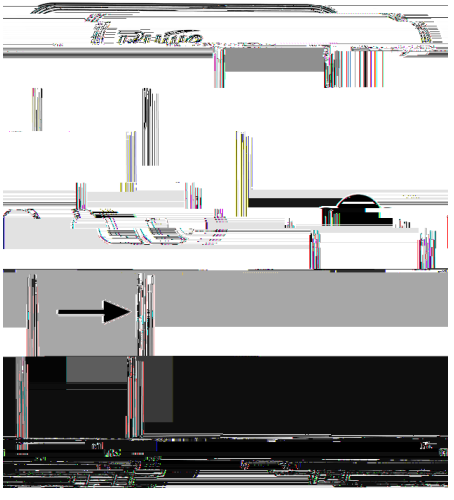

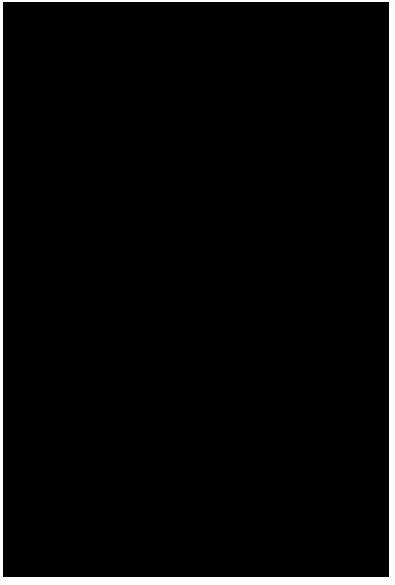

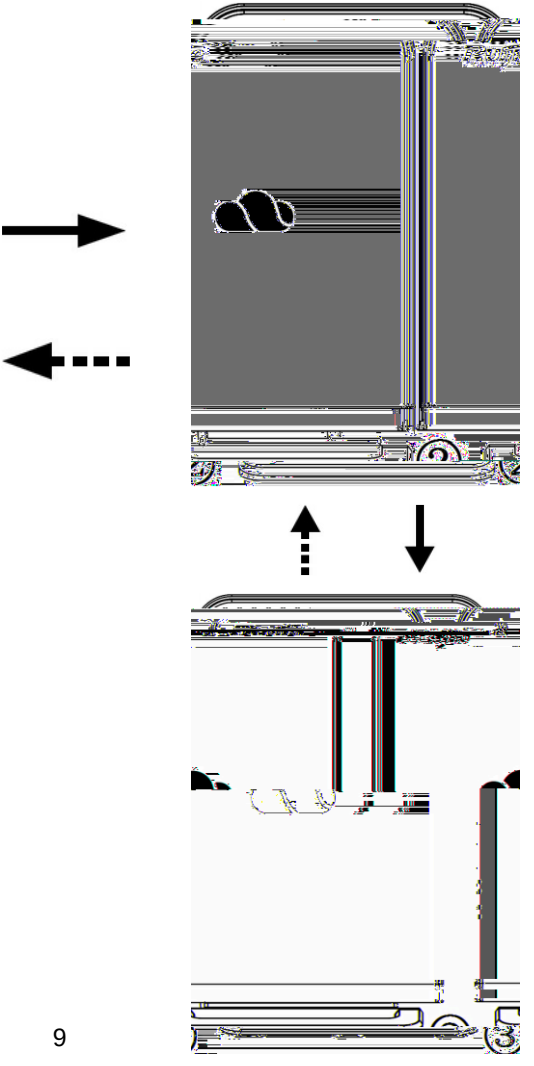

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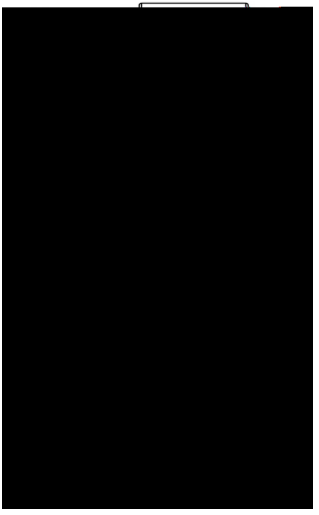

SJ/T11364-2006 “ ”

2

	Pb	Hg	Cd	Cr VI	PBB	PBDE
PCB	×	○	○	○	○	○
	○	○	○	○	○	○
	○	○	○	○	○	○
	○	○	○	○	○	○

Statement

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Thanks for using Ruijie products.

Ruijie strongly recommends that you carefully read this manual before using the device. If you perform operations on the device without reading this manual, Ruijie assumes no responsibilities for any losses incurred. In addition, Ruijie may make small adjustments to the device to enhance the device performance, which may result in slight difference between operations described in this manual and actual operations. We are sorry for that but you can rest assured that the adjustments wil

Precautions

Ensure that the AC power is within the range of 100-240 V before powering on the device.

Do not forcibly insert the power plug into the socket. If you encounter great resistance during insertion, please check that the power plug is inserted in the correct direction.

Switch off the device and remove the power adapter before cleaning.

Do not interrupt the power supply during the product software upgrade.

PRODUCT OVER

Product Overview

Ruijie Cloud Desktop terminal of flexible configuration is a computer office solution developed for industries such as education, government, medical and enterprises. By adopting the new intelligent desktop virtualization (IDV) architecture, the product is used to address management of traditional PC office, is capable of processing rich media, and is highly reliable independent of the network, thus effectively improving user experience.

The intelligent Cloud Desktop terminal of the Rain320W is the core component of Cloud Office Flexible Configuration. This terminal is designed without fans (compatible with fans). The product is configured with Intel high-performance processor and an integrated graphics card, supports 4K high-definition video display, and can be used for complex applications such as education, government, medical and enterprises, and for rich media. The intelligent Cloud Desktop terminal is associated with the cloud management server to implement efficient centralized management of multiple terminals. Figure 1 shows the typical networking.

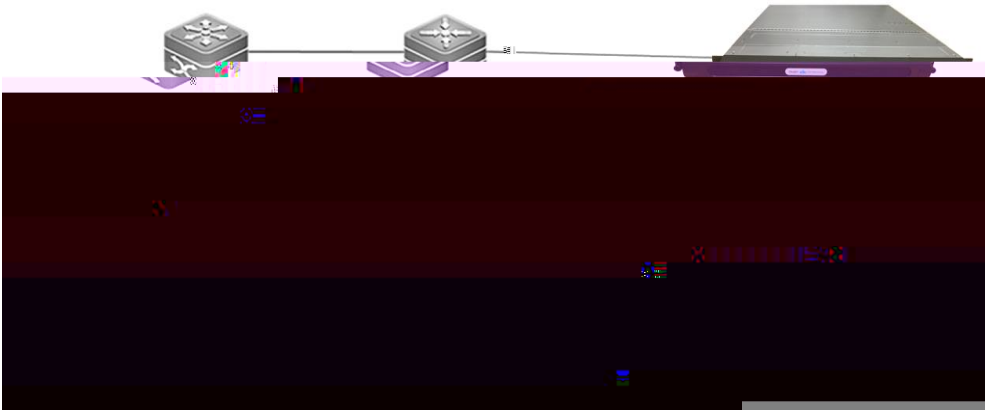


Figure 1 Typical Networking Topology of the Rain320W

Packing List

Table 3 RG-Rain320W Packing List

No.	Name	Qty	Unit
1			

Product Specifications

Table 2 RG-Rain320W Specifications

Model	RG-Rain320W
Feature	Indoor Cloud Desktop terminal, embedded with thin client
CPU	Intel high performance processor
Memory	8 GB SODIMM
Storage	32 GB emmc , 500 GB HDD
Resolution	1920 x 1080@60Hz
VESA Mounting	Support; Hole Pattern: 100 x 100 mm
Security	Support security lock (For example, Kensington)
Features	Auto power-on (optional) and

Interfaces

Interface Positions

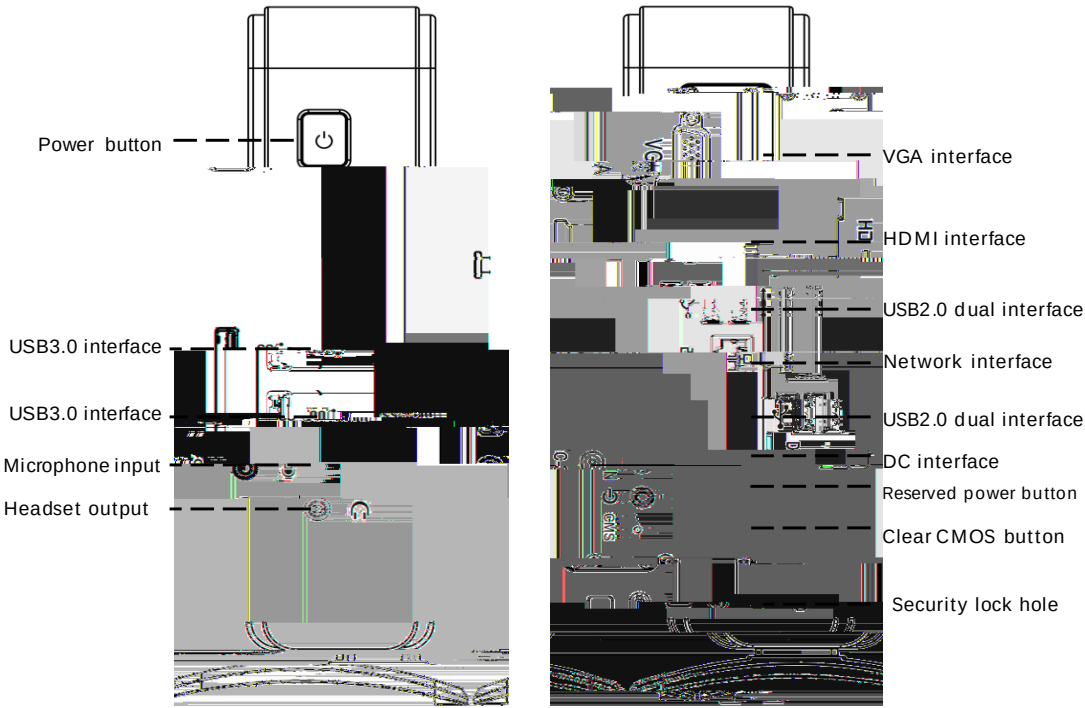


Figure 2 Interface Positions of the Rain320W

Interface Description

Power button: The device is switched on if you press this button for a short period of time and is switched off if you press this button for a long period of time. The LED of the power button is on when the device is switched on.

USB3.0 single interface: Indicates one USB3.0 interface. It is used to connect to a USB3.0 device such as a USB flash drive and is compatible with USB2.0 devices.

Microphone input interface: Connects to microphone to implement the input of audio signals.

Headset output interface: Connects to headset to implement the output of audio signals.

USB2.0 dual interfaces: The Rain320W has two USB2.0 dual interfaces, each USB2.0 dual interfaces has two USB2.0 interfaces arranged in two lines, and each USB2.0 interface can be used to connect to a USB2.0 device such as the keyboard or mouse.

HDMI interface: Connects to a display device that supports the high-definition multimedia interface (HDMI) interface.

VGA interface: Connects to a display device that supports Video Graphics Array (VGA) interface.

Network interface: Connects to network cable to implement the Internet access function.

Power interface: Connects to the supplied power adapter and supports 12 V/4 A power adapter input.

Security lock hole: Uses a security lock (for example, Kensington security lock) to implement the anti-theft function.

Reserved power button: Powers on/Powers off the device via a 3.5 mm audio cable.

CMS: Indicates a Clear CMOS button which is used to restore CMOS settings to factory defaults.

Preparation before Installation

Installation Environment

The RG-Rain320W must be used indoors. The installation environment needs to meet the following requirements to ensure proper running of the device:

Maintain a 10 cm clearance on each side and around the rear cover of the RG-Rain320W to ensure proper ventilation and heat dissipation. After cables are connected to the device, the cables should be bound and placed on the cable management bracket, so as not to block the air intake vent.

The temperature and humidity inside the computer room need to be maintained within the proper ranges. The device will be damaged if it works in an adverse environment in the long run. The ambient temperature and humidity requirements of the RG-Rain320W are as follows:

- Long-term Operating temperature: 0°C to 40°C (32°F to 104°F)

20 41 0 ETBT 1 0 1 90.869 152.91 Tm(t) 40 [C] (32.41 0 104 0 1 93.749 152.91 Tm(t)-28(e

Dust is hazardous to device running. Dust accumulated on the device can cause electrostatic adsorption, resulting in poor contact of metal connection points. Especially, when the indoor relative humidity is low, electrostatic adsorption is more serious, which may affect the device service life and easily cause communication failures. The RG-Rain320W has requirements for dust in the computer room. Therefore, do not use the device in a dusty or dirty environment to prevent system failures.

Installation Tools

Table 4 Tool List

Common Tools	Phillips screwdriver, cables, screws, straps
Special Tools	Anti-static tools, multimeter

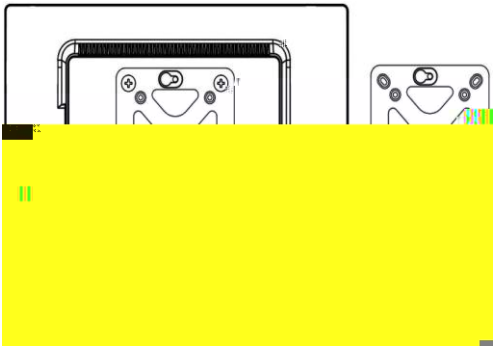
Users need to get the preceding tools ready except the standard configurations delivered together with the RG-Rain320W.

Notes

1. Disconnect the power supply before installing or moving the RG-Rain320W.
2. Ensure that screws are installed tightly and securely.
3. Install the RG-Rain320W in a proper place easy for observing the power LED.

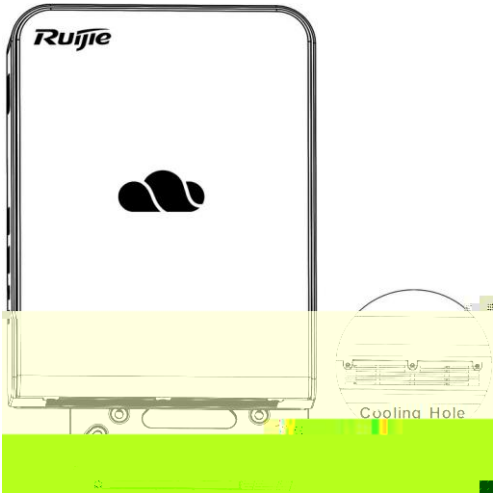
Installation Steps

Installing the Mounting Bracket



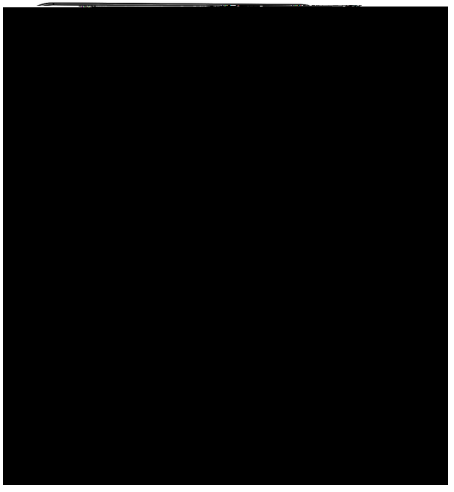
Step 1:

Attach the mounting bracket to the back side of the display using screws.



Step 2:

Align the cooling holes at the bottom of the device with the buttons of the mounting bracket.



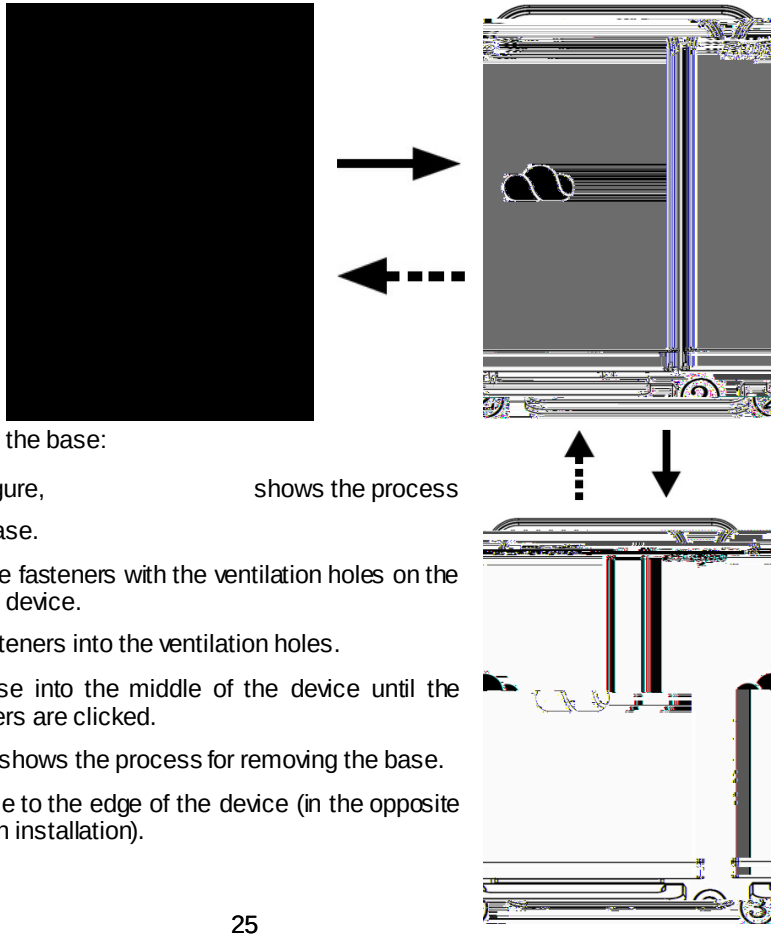
Step 3:

Move the device downward horizontally until the bottom is aligned with the surface of the mounting bracket.

Step 4:

Move the host rightward horizontally until the device is fastened on the mounting bracket.

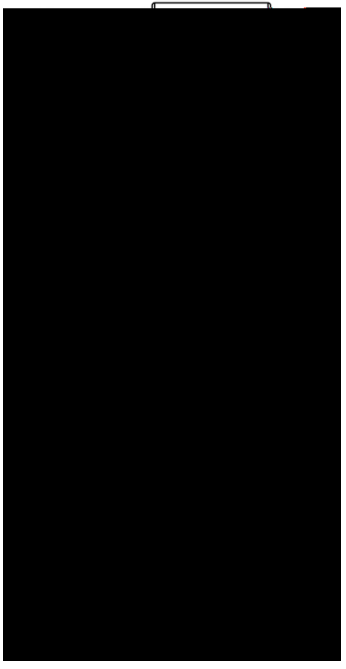
Installing the Base



Installing and removing the base:

1. As shown in the figure, shows the process for installing the base.
   1) Align the base fasteners with the ventilation holes on the bottom of the device.
   2) Insert the fasteners into the ventilation holes.
   3) Push the base into the middle of the device until the entire fasteners are clicked.
2. shows the process for removing the base.
   1) Push the base to the edge of the device (in the opposite direction as in installation).
   2) Pull

Powering on and Starting the Device



Press the power button on the RG-Rain320W to start the device. After the device startup is complete, the thin client automatically runs. The system automatically detects the thin client version upon startup each time. If a later version is detected, the system automatically downloads and installs the new version.

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