

# Content

<b>Chapter 1 Product Overview .....</b>	<b>1</b>
1.1 Introduction .....	1
1.2 Package Contents .....	1
1.3 Appearance .....	1
1.3.1 Front Panel .....	1
1.3.2 Back Panel .....	3
<b>Chapter 2 Device Installation .....</b>	<b>4</b>
2.1 Installation Notes .....	4
2.1.1 Safety Alert .....	4
2.1.2 Environmental Requests .....	4
2.1.3 Installation Tools .....	5
2.2 Installation .....	6
2.2.1 Rack-mounting .....	6
2.2.2 Desktop-mounting .....	7
<b>Chapter 3 Cable Connection .....</b>	<b>8</b>
<b>Chapter 4 Login .....</b>	<b>10</b>
<b>Appendix .....</b>	<b>12</b>
A FAQs .....	12
B Technical Specifications .....	13
C Regulatory Compliance Information .....	14



# Chapter 1 Product Overview

## 1.1 Introduction

IP-COM SE3100 is a Gigabit multi-business router which is integrated with multiple WAN strategy, load balancing, flow control, access filter, and QoS etc. It can manage connected APs in unity. And the powerful built-in threat signature library and firewall protect networking from virus invasion, ARP and DOS attack. What's more, there are three LAN/WAN multiplexing ports which can be configured as LAN ports or WAN ports as your needs. So that you can set up and manage your network flexibly.

## 1.2 Package Contents

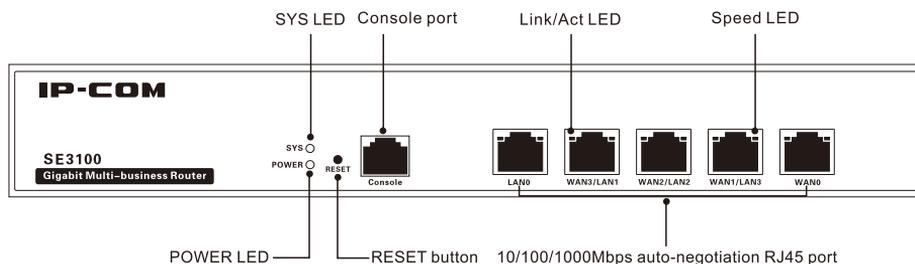
Open the box and verify the followings:

- 1 IP-COM SE3100
- 1 Power cord
- 1 Ethernet cable
- 6 Screws
- 2 L-shaped brackets
- 4 Footpad stickers
- 1 Install Manual

If any of the items is missing or damaged, please contact your dealer for replacement as soon as possible.

## 1.3 Appearance

### 1.3.1 Front Panel



## ➤ LED

LED	Color	Status	Description
POWER	Green	Solid	The device is connected to power supply properly.
		Off	The device is malfunctioning or not connected to power supply.
SYS	Green	Flashing	Device system is working properly.
		Solid	Device system is working improperly.
		Off	The device has not booted yet.
Link/Act	Orange	Solid	The corresponding port is connected.
		Flashing	The corresponding port is transmitting data.
		Off	The corresponding port is connected improperly or not connected.
Speed	Green	Solid	The corresponding port connectivity speed is up to 1000Mbps.
		Off	The corresponding port is disconnected or up to 10/100Mbps connectivity speed.

## ➤ RESET (button)

Press this button for at least 5 seconds and then release; in 1 minute, the device will be successfully restored to factory defaults.

## ➤ Console (port)

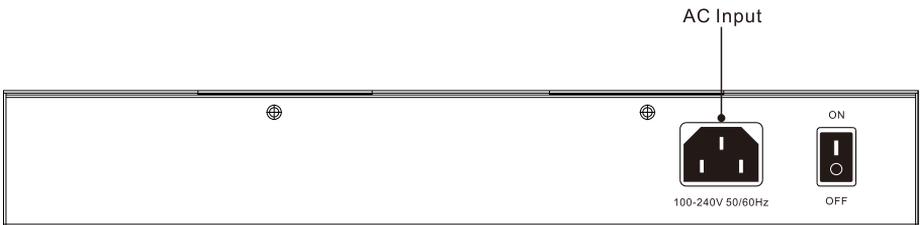
Console port is specially designed for developers or testers to maintain the connected clients or debug the device. It is not for average users. User can access the device's Web manager via a LAN port, configuring and managing the device.

## ➤ Interface

Provides 5 10/100/1000Mbps auto-negotiating RJ45 ports, each of which is equipped with one Link/Act LED and one Speed LED.

By default, there are four LAN ports and 1 WAN port. Three of them are LAN/WAN multiplexing ports, which means you can configure each of them as a LAN or WAN port according to your needs.

### 1.3.2 Back Panel



#### ➤ AC Input (port)

Power input port

(Please use the included power cord to connect the device to power supply.)

#### ➤ ON/OFF (button)

Power button; turn on/off the device.

## Chapter 2 Device Installation

### 2.1 Installation Notes

To guarantee the device service life and your personal safety, please follow below notes strictly.

#### 2.1.1 Safety Alert

- Wear anti-static gloves while installing, and connect the device to power after finishing other installation.
- Use the included power cord to power the device.
- Make sure the input voltage matches the value which is marked on the device's label.
- Place the device in a well-ventilated and dry environment.
- Do not open the device case.
- Cut off the power connection before cleaning the device. Do not clean the device with any liquid cleaner.
- Position the device away from strong current.

---

### Note

There is an IP-COM seal on one of the screws in the covering of the device. In case of need repair, keep the seal unbroken until the agent supervise the maintenance. The user should not break the seal of the coverage without permission of the local agent, otherwise will be responsible for any damage.

---

#### 2.1.2 Environmental Requests

##### 🔻 Temperature/Humidity

Item	Temperature	Humidity
Operation Environment	-10°C~45°C	10% ~ 90% RH (non-condensing)
Storage Environment	-40°C~70°C	5% ~ 90% RH (non-condensing)

### 🔽 Anti-static Precautions

To protect the device from static electricity harm, do as the following:

- Keep the device working in a clean and clear environment.
- Clean the device regularly.
- Ground the device well to dissipate static electricity efficiently.

### 🔽 Lightning Protection

To protect the device from lightning stroke or strong current, do as the following:

- Ground the device, rack and workbench well.
- Cable the device properly, and if you need to cable outdoor, make sure the device has set up lightning arresters.

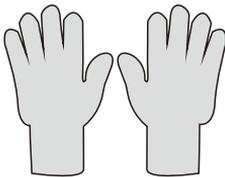
### 🔽 Mounting Instructions

No matter it is rack-mounting or desktop-mounting, follow the below instructions.

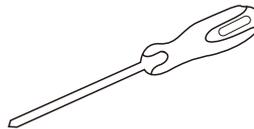
- Make sure to keep the parts which support or fix the device stable.
- Position the device in a well-ventilated environment, and keep it at least 10cm free on all sides for cooling.
- Do not place any heavy object on the device.
- Keep at least 1.5cm vertical distance when you install it in stack.

## 2.1.3 Installation Tools

Things you'll need but should be prepared by yourself.



Antistatic gloves



Phillips screwdriver

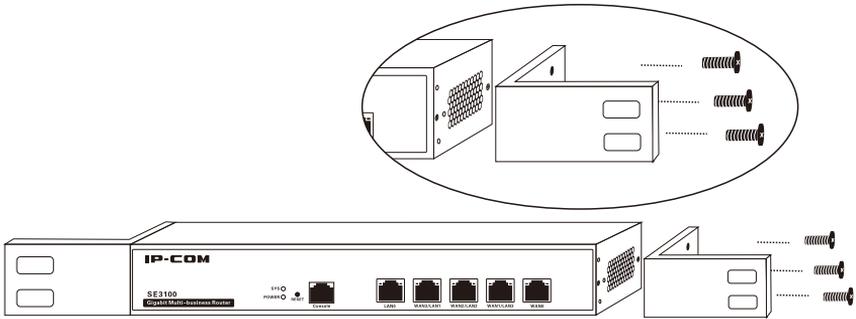
## 2.2 Installation

The device can be installed either in a rack or a flat surface (desktop/workbench).

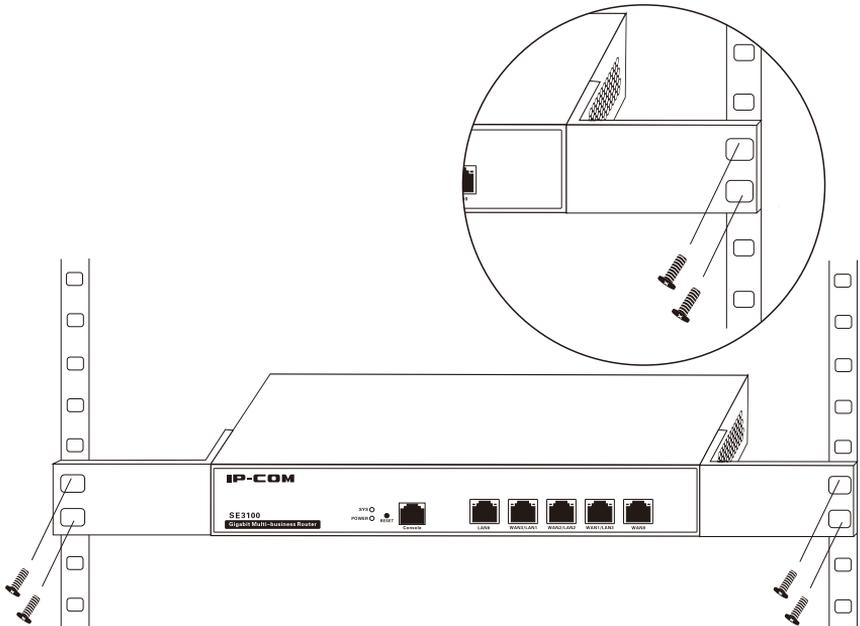
### 2.2.1 Rack-mounting

You can install the device in a standard 19-inch rack with the accessories (L-shaped brackets and screws) that comes in the box.

- 1) Fix the rack on the ground, stable and level.
- 2) Fix L-shaped brackets to the device with screws. (As shown in below figure)



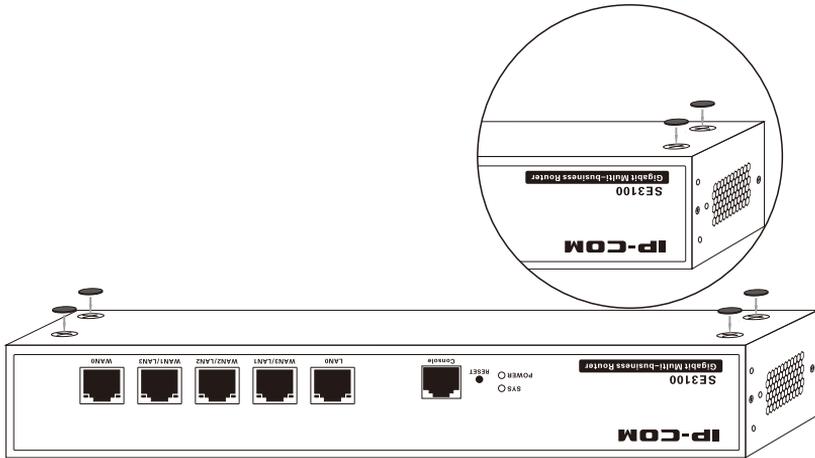
- 3) Prepare four screws to fix the device to the rack. (As shown in below figure)



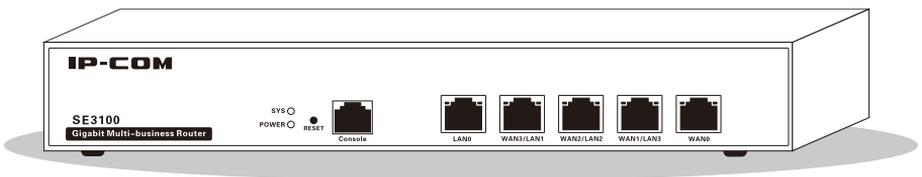
## 2.2.2 Desktop-mounting

Also, you can install the device on a desktop if you have no rack.

- 1) Place the device bottom up on a stable and flat desktop.
- 2) Paste the four footpad stickers to the corresponding four corners of the bottom.

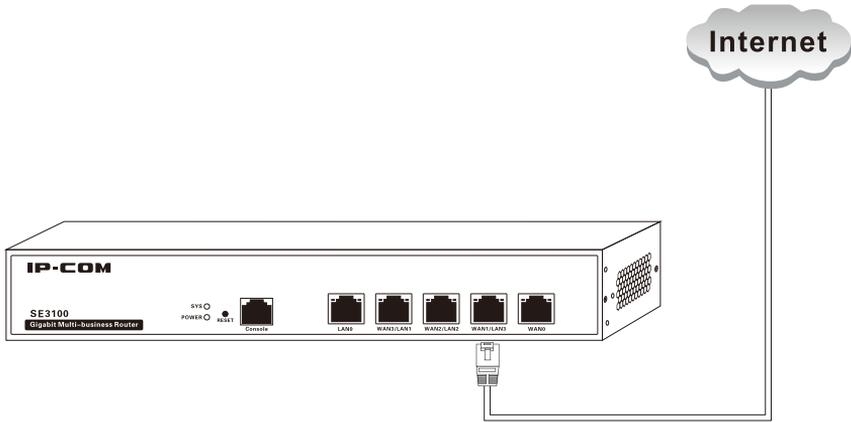


- 3) Then, place the device correctly on the desktop.

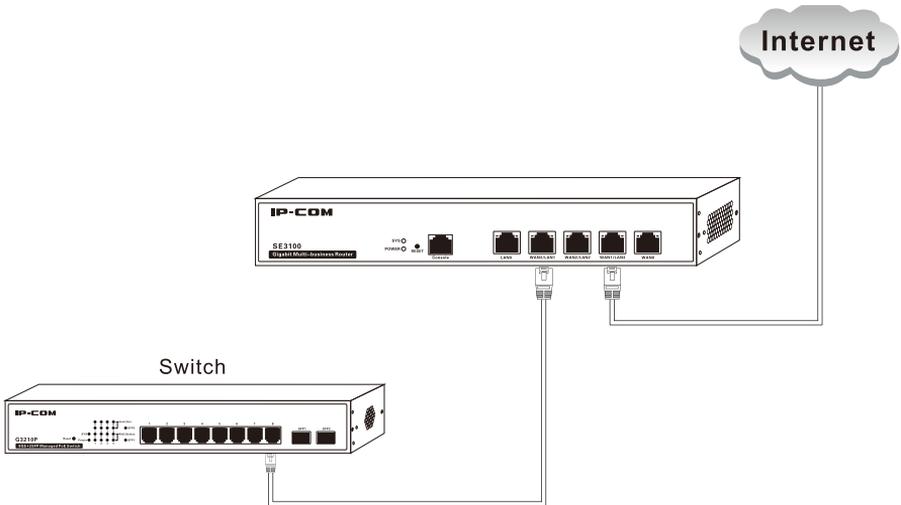


## Chapter 3 Cable Connection

- 1) Plug the Internet access cable from ISP to the WAN port on the device.

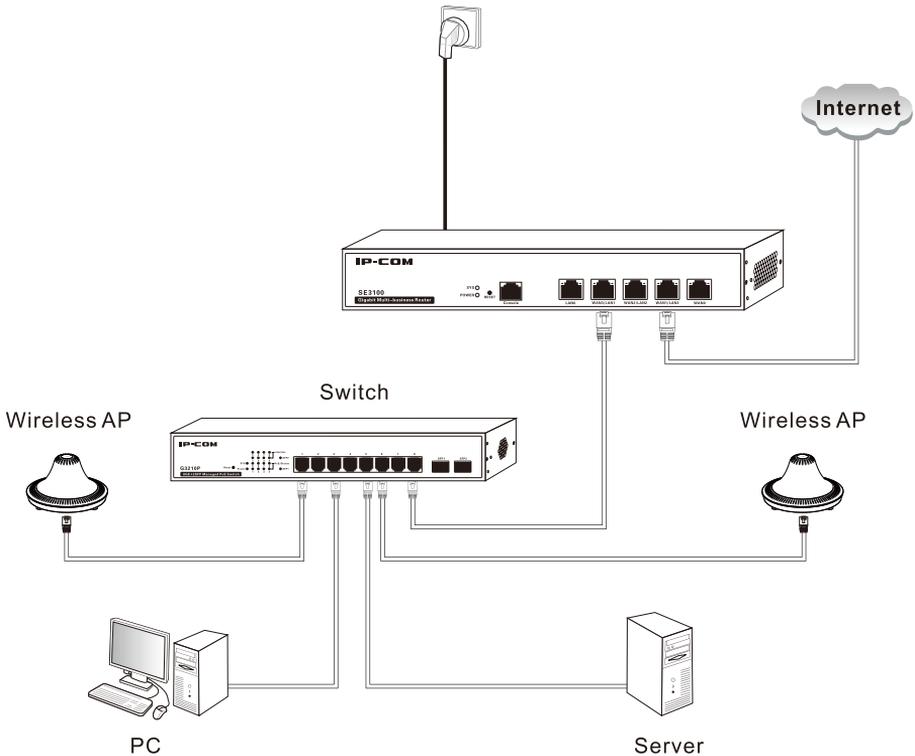


- 2) Connect the device to a switch via LAN port using an Ethernet cable.



- 3) Connect other devices viz. APs, Servers or PCs to the switch via LAN ports.

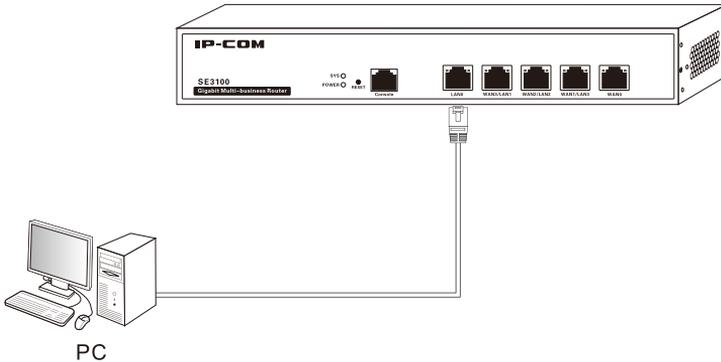
- 4) Double check your cabling referring to below connection topology. And connect the device to power supply with the power cord that comes in the box.



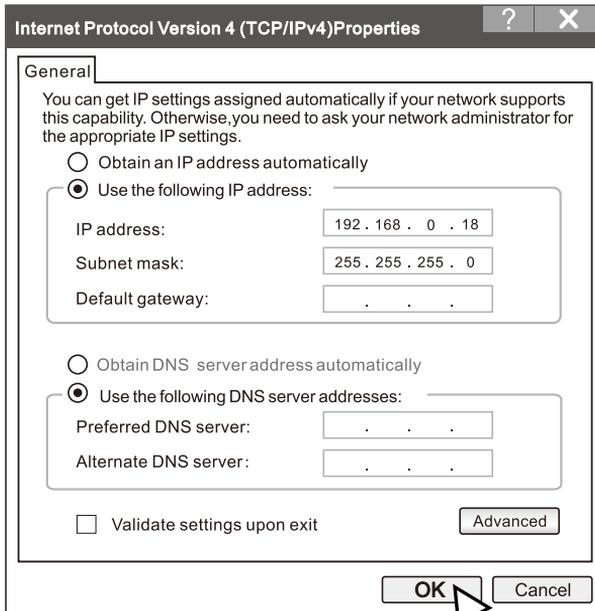
- 5) After a successful boot, the device will initialize its default settings. Check LEDs status, which should be displayed successively as the following:
1. All LEDs (POWER, Link/Act and Speed LEDs) except "SYS" LED will light up and start status self-test.
  2. POWER LED keeps solid and other LEDs off.
  3. After finishing initializing, POWER LED keeps solid, SYS blinks, and the Link/Act and Speed LEDs will display their working status respectively.

## Chapter 4 Login

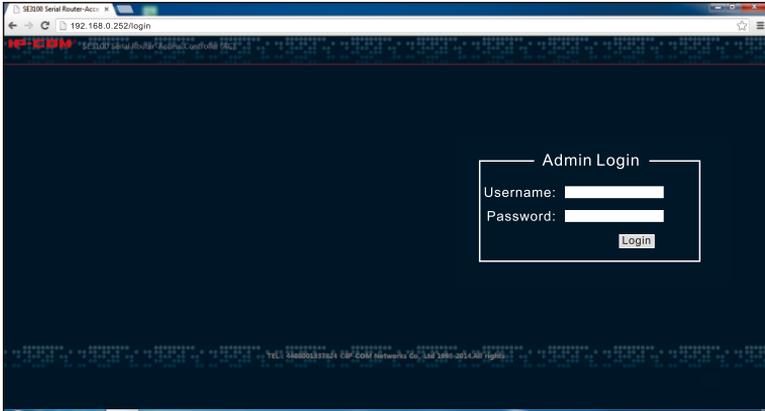
- 1) Connect your PC to a LAN port on the device or the connected switch.



- 2) Configure your local PC IP address as 192.168.0.x ("x" can be any number between 2~254, excluding 252), subnet mask as 255.255.255.0.



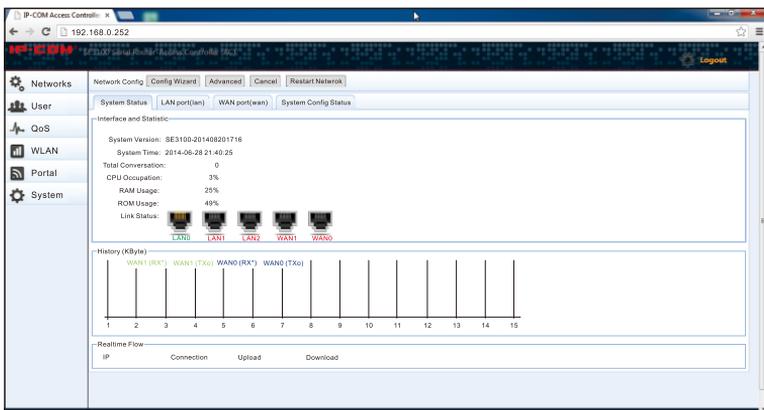
- 3) Launch your Web browser viz. Google Chrome; type **192.168.0.252** in the address bar and hit **Enter** on the keyboard.
- 4) This will direct you to the device login page, prompting you to enter the username (admin) and password (admin), and hit **Enter**.



## Note

Different Web browsers may show different info. Getting the correct username and password entered is the point.

- 5) When you see the configuration screen, setup or modify your configuration settings as desired.



## Appendix

### A FAQs

**Q1: I cannot login to the device configuration screen with 192.168.0.252 for the first time using. What should I do?**

- A1:** ❶ Double check the TCP/IP settings on your PC, verify it is 192.168.0.x ("x" can be any number between 2~254, excluding 252) and retry.
- ❷ Clean the Web browser cache or try another browser.
- ❸ Try another computer to access the configuration screen.
- ❹ Restore the device to factory defaults and retry.
- ❺ Make sure that there is no device in the same LAN whose IP is 192.168.0.252, and retry.

**Q2: I forget my login username and password unfortunately. What should I do?**

**A2:** Try the default settings first (Default LAN IP: **192.168.0.252**, Login username: **admin**; password: **admin**). If it does not work, restore the device to factory defaults and retry with the default settings.

**Q3: How do I restore the device to factory defaults if I cannot access the device configuration screen?**

**A3:** Power on the device and press RESET button on front panel for at least 5 seconds, and in one minute, the device is restored successfully.

---

### Note

Restoring factory defaults will delete all the configured settings. You need to reconfigure the device.

---

## B Technical Specifications

Item	Specification
Max connection number	100
CPU	Dual-core ARM 800MHz processor
DDR3	256MB
FLASH	128MB
Max concurrent session	20000
Throughput (two-way)	50Mbps
Interface	<ul style="list-style-type: none"> <li>• 5 10/100/1000Mbps auto-negotiating RJ45 ports. (By default, 1 WAN port and 4 LAN ports)</li> <li>• 1 Console port</li> </ul>
Configurable interface	3 LAN/WAN multiplexing ports
LEDs	<ul style="list-style-type: none"> <li>• 1 POWER LED</li> <li>• 1 SYS LED</li> <li>• 5 Link/Act LEDs;</li> <li>• 5 Speed LEDs</li> </ul>
Button	<ul style="list-style-type: none"> <li>• 1 RESET button</li> <li>• 1 ON/OFF button</li> </ul>
Operation/Storage temperature	-10°C~45°C / -40°C~70°C
Operation/Storage humidity	10%~90% RH (non-condensing) / 5%~90% RH (non-condensing)
AC input	100~240V AC, 50/60Hz
Power consumption	≤ 12W
Dimension	294mm*178mm*44mm

## C Regulatory Compliance Information



### CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

For Pluggable Equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

**WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

The Product is designed for IT Power Distribution System.

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



### FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.