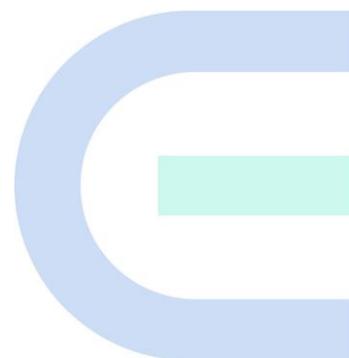


# RG-PA150I-FS, PA300I-FS, PA460I-FS, PA600I-FS Power Modules

## Hardware Installation and Reference Guide



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# Preface

## Intended Audience

This document is intended for:

- Network engineers
- Technical support and servicing engineers
- Network administrators

## Technical Support

- The official website of Ruijie Reyee: <https://www.ruijienetworks.com/products/reyee>
- Technical Support Website: <https://www.ruijienetworks.com/support>
- Case Portal: <https://caseportal.ruijienetworks.com>
- Community: <https://community.ruijienetworks.com>
- Technical Support Email: [service\\_rj@ruijienetworks.com](mailto:service_rj@ruijienetworks.com)

## Conventions

### 1. Signs

This document also uses signs to indicate some important points during the operation. The meanings of these signs are as follows:

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 Caution

An alert that calls attention to safety instruction that if not understood or followed can result in personal injury.

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 Warning

An alert that calls attention to important rules and information that if not understood or followed can result in data loss or equipment damage.

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 Note

An alert that calls attention to essential information that if not understood or followed can result in function failure or performance degradation.

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 Instruction

An alert that contains additional or supplementary information that if not understood or followed will not lead to serious consequences.

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 Specification

An alert that contains a description of product or version support.

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## **2. Note**

This manual provides installation steps, troubleshooting, technical specifications, and usage guidelines for cables and connectors. It is intended for users who want to understand the above and have extensive experience in network deployment and management, and assume that users are familiar with related terms and concepts.

# 1 RG-PA150I-FS

Power module for RG-NBS6002 series switches:

AC input: Currently only the RG-NBS6002 series switches support the RG-PA150I-FS power module.

## Caution

The RG-NBS6002 supports power modules in 1+1 redundancy mode. To improve system stability and reliability, you are advised to configure power modules in 1+1 redundancy mode.

## 1.1 Appearance



The label is on the top panel of the power module.

### 1.1.1 External Ports

RG-PA150I-FS is an AC power module that provides AC power input and supplies 12 V voltage to the system. The front panel has a three-pin AC power connector for connecting a standard 10 A power cord.

### 1.1.2 LEDs

LED	Silkscreen Label	Status	Description
Status LED	N/A	Off	There is no power input or the power module is not functioning properly.
		Solid green	The power module is outputting power normally.

## 1.2 Technical Specifications

<b>Model</b>	RG-PA150I-FS
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<b>Rated Voltage Range</b>	100 VAC to 240 VAC, 50/60 Hz
<b>Max. Voltage Range</b>	90 V to 264 V, 47/63 Hz
<b>Max. Output Power</b>	100 V to 240 V, 150 W
<b>Input Current</b>	< 3 A at 90 VAC to 264 VAC at full load
<b>Leakage Current</b>	< 3.5 mA at 110 VAC and 220 VAC, 50/60 Hz
<b>Net Weight</b>	0.55 kg (1.21 lbs.)
<b>Power Cord</b>	10 A power cord

---

 **Caution**

- When connecting the power cord, make sure to fasten the latch securely to prevent any looseness.
  - The power cord should be connected to an output socket which connects to the ground.
  - Maximum operating altitude: 5000 m (16404.19 ft.); maximum storage altitude: 5000 m (16404.19 ft.)
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 **DOUBLE POLE/NEUTRAL FUSING:**

- The fuse is in the neutral, and that the mains shall be disconnected to de-energize the phase conductors.
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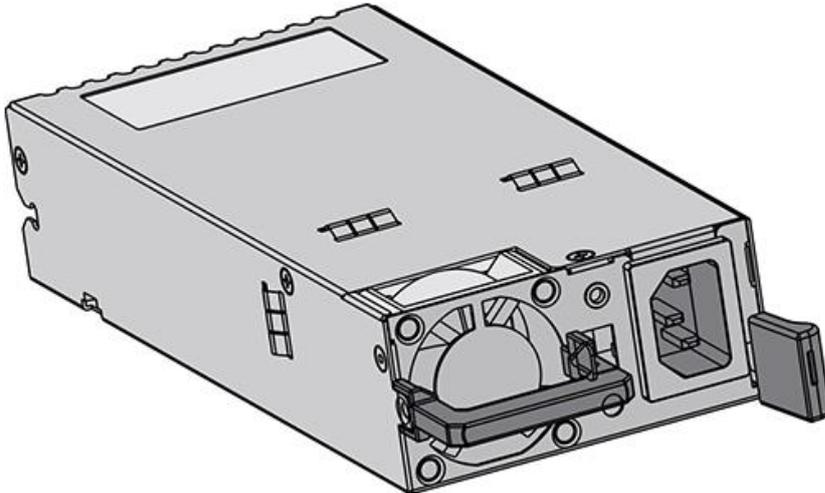
 **Warning**

Operation of this equipment in a residential environment could cause radio interference.

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## 2 RG-PA300I-FS

### 2.1 Appearance



The label is on the top panel of the power module.

#### 2.1.1 External Ports

RG-PA300I-FS is an AC power module that provides AC power input and supplies 12 V voltage to the system. The front panel has a three-pin AC power connector for connecting a standard 10 A power cord.

The label is on the top panel of the power module.

#### 2.1.2 LEDs

LED	Silkscreen Label	Status	Description
Status LED	N/A	Off	There is no power input or the power module is not functioning properly.
		Solid green	The power module is outputting power normally.

### 2.2 Technical Specifications

<b>Model</b>	RG-PA300I-FS
<b>Rated Voltage Range</b>	100 V to 240 V, 200 V to 240V, 50/60 Hz
<b>Max. Voltage Range</b>	90 V to 264 V, 47/63 Hz
<b>Max. Output Power</b>	100 V to 240 V, 300 W

<b>Ground-Leakage Current</b>	≤ 1.5 mA
<b>Net Weight</b>	0.85 kg (1.87 lbs.)
<b>Power Cord</b>	10 A power cord

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 **Caution**

- When connecting the power cord, make sure to fasten the latch securely to prevent any looseness.
  - The power cord should be connected to an output socket which connects to the ground.
  - Maximum operating altitude: 5000 m (16404.19 ft.); maximum storage altitude: 5000 m (16404.19 ft.)
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 **DOUBLE POLE/NEUTRAL FUSING:**

- The fuse is in the neutral, and that the mains shall be disconnected to de-energize the phase conductors.
- 

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 **Warning**

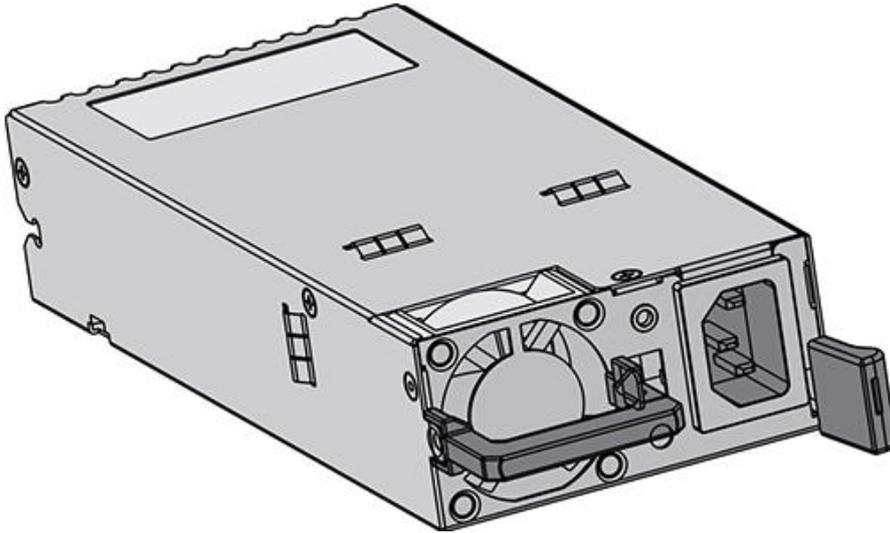
Operation of this equipment in a residential environment could cause radio interference.

Warning: This power supply is not serviceable, do not disassemble to avoid electric shock.

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# 3 RG-PA460I-FS

## 3.1 Appearance



The label is on the top panel of the power module.

### 3.1.1 External Ports

RG-PA460I-FS is an AC power module that provides AC power input to RG-NBS7003 and supplies 12 V voltage to the system. The front panel has a three-pin AC power connector for connecting a standard 10 A power cord.

### 3.1.2 LEDs

LED	Silkscreen Label	Status	Description
Status LED	N/A	Off	There is no power input or the power module is not functioning properly.
		Solid green	The power module is outputting power normally.

## 3.2 Technical Specifications

<b>Model</b>	RG-PA460I-FS
<b>Rated Voltage Range</b>	100 V to 240 V, 200 V to 240V, 50/60 Hz
<b>Max. Voltage Range</b>	90 V to 264 V, 47/63 Hz

<b>Max. Output Power</b>	100 V to 240 V, 460 W
<b>Ground-Leakage Current</b>	≤ 3 mA
<b>Net Weight</b>	0.9 kg (1.98 lbs.)
<b>Power Cord</b>	10 A power cord

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 **Caution**

- When connecting the power cord, make sure to fasten the latch securely to prevent any looseness.
  - The power cord should be connected to an output socket which connects to the ground.
  - Maximum operating altitude: 5000 m (16404.19 ft.); maximum storage altitude: 5000 m (16404.19 ft.)
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 **DOUBLE POLE/NEUTRAL FUSING:**

- The fuse is in the neutral, and that the mains shall be disconnected to de-energize the phase conductors.
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 **Warning**

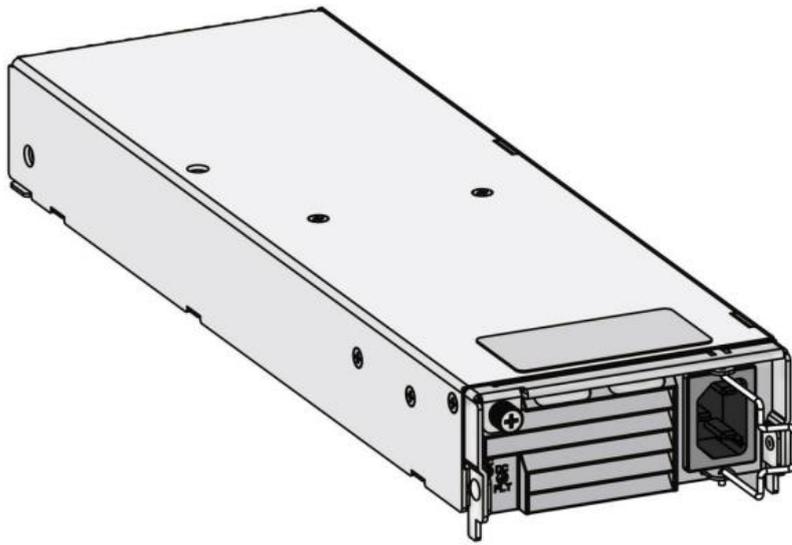
Operation of this equipment in a residential environment could cause radio interference.

Warning: This power supply is not serviceable, do not disassemble to avoid electric shock.

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# 4 RG-PA600I-FS

## 4.1 Appearance



The label is on the top panel of the power module.

### 4.1.1 External Ports

RG-PA600I-FS is an AC power module that provides AC power input and supplies 12 V voltage to the system. The front panel has a three-pin AC power connector for connecting a standard 10 A power cord.

### 4.1.2 LEDs

No.	Description	LED	
		AC	DC/FLT
1	The power module is operating normally.	Solid green	Solid green
2	No power input or input undervoltage	Off	Solid red
3	Overvoltage alarm	Solid green	Solid red
4	Overcurrent alarm	Solid green	Solid red
5	Overtemperature alarm	Solid green	Solid orange
6	Overheat alarm	Solid green	Solid red
7	Primary-side on/off control	Solid green	Solid red

## 4.2 Technical Specifications

<b>Model</b>	RG-PA600I-FS
<b>Rated Voltage Range</b>	100 V to 240 V, 200 V to 240V, 50/60 Hz
<b>Max. Voltage Range</b>	90 V to 264 V, 47/63 Hz
<b>Max. Output Power</b>	90 VAC to 180 VAC, 600 W 180 VAC to 264 VAC, 600 W
<b>Ground-Leakage Current</b>	≤ 0.85 mA
<b>Net Weight</b>	1.64 kg (3.62 lbs.)
<b>Power Cord</b>	10 A power cord

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 Caution

- When connecting the power cord, make sure to fasten the latch securely to prevent any looseness.
  - The power cord should be connected to an output socket which connects to the ground.
  - Maximum operating altitude: 5000 m (16404.19 ft.); maximum storage altitude: 5000 m (16404.19 ft.)
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 DOUBLE POLE/NEUTRAL FUSING:

- The fuse is in the neutral, and that the mains shall be disconnected to de-energize the phase conductors.
- 

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 Warning

- Operation of this equipment in a residential environment could cause radio interference.
  - Warning: This power supply is not serviceable, do not disassemble to avoid electric shock.
-