

User Manual

iPoMan Zero U Series



iPoMan 1601

iPoMan 1611

iPoMan 2401

iPoMan 2411

v2.20b
May. 2013

Preface

About this Manual

Congratulations on purchasing the iPoMan series. This user manual provides detailed descriptions of the hardware components and how to use the iPoMan. Read this manual carefully and follow the instructions while using the iPoMan.

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Safety Instructions

Follow these safety instructions to avoid injury to self and damage to the iPoMan.

- To reduce the risk of fire or electric shock, install the unit in a temperature-controlled indoor area free of conductive contaminants. Do not place the unit near liquids or in an excessively humid environment.
- Do not allow liquids or foreign objects to enter the unit.
- The unit does not contain any user-serviceable parts. Do not open the unit.
- Servicing, maintenance, and repair for this equipment must be performed by qualified service personnel. Remove rings, watches and other jewelry before servicing the unit.
- Before maintenance, repair or shipment, the unit must be completely switched off and unplugged and all connections must be removed.
- Before plugging in the power cord of the device, make sure that the power source rating matches the power rating of the iPoMan. And also **ensure the input power source has circuit breaker to protect iPoMan.**
- Use a standard power cord when connecting any device to the outlets of iPoMan.

Safety Notices



Caution:

Rack-Mounted Equipment – The unit is intended to be rack-mounted, the Installation Instructions shall contain wording to address the following concerns when the unit is mounted in a rack system.

- A. “The equipment is to be installed in an environment with maximum ambient temperature must not exceed 55°C.”
- B. “The openings on the enclosure are for air convection hence protected the equipment from overheating. **DO NOT COVER THE OPENINGS.**”
- C. “Lay this equipment on a reliable surface when install. A drop or fall could cause injury.”
- D. “The equipment shall be installed according to specification as nameplate. Make sure the voltage of the power source when connect the equipment to the power outlet. The current of load and output power of loads shall be not over the specification.”
- E. “This equipment must be connected to the reliable earth before using.”
- F. **Make sure the input power source has 250V/30A listed circuit breaker to protect iPoMan.**
- G. When the iPoMan is operated, please be aware of the distance between the input socket of iPoMan and socket. It will be better that the iPoman is closer to the input socket.

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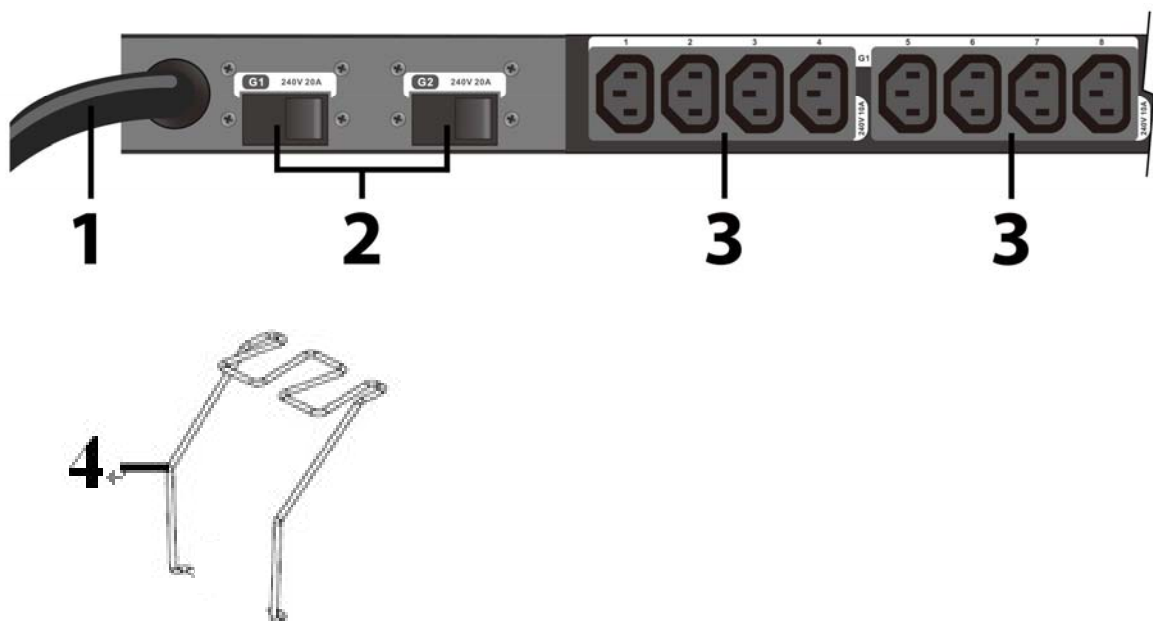
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Introduction the iPoMan Zero U series

Hardware Components

Take a moment to familiarize yourself with the iPoMan front panels. The following sections provide descriptions about the PTO(Power Transfer Outlet) components and how to use them.

iPoMan Zero U series



Component	Description
1. Input power	Connect to a power outlet.
2. Outlet Breaker	Prevents excessive current flow to the outlet
3. Power outlet iPoMan 1601_16 port iPoMan 1611_16 port iPoMan 2401_24 port iPoMan 2411_24 port	Connect a device to each power outlet to supply power to it.
4. Cable Retention	Used to secure the power cord

Getting Started

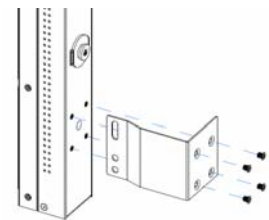
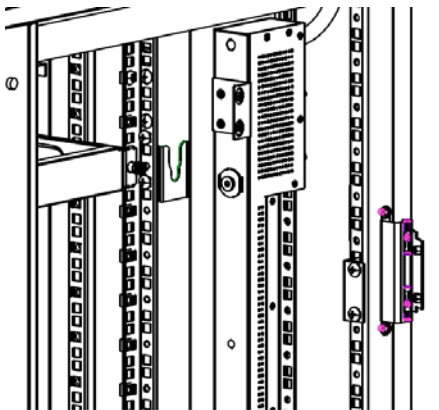
This section provides information about setting up the iPoMan, connecting power, and connecting devices to it before users start using it for power management. Read this section carefully to learn how to connect various devices to the iPoMan.

Mounting method

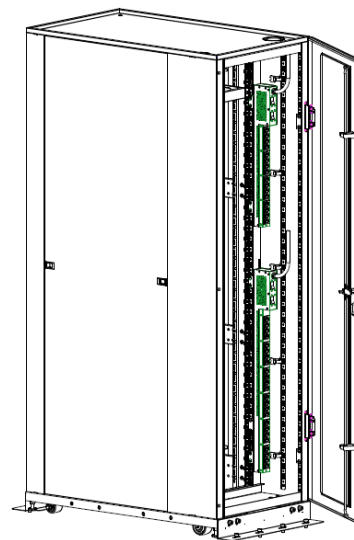
1. Attaching the fixer bracket to the iPoMan.



2. Slide two mounting pegs into the holes located in the Rack.

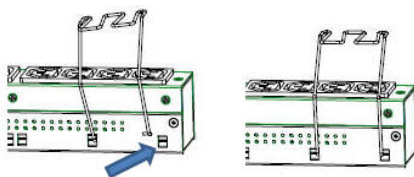


3. Pushing iPoMan downward until locks into position.



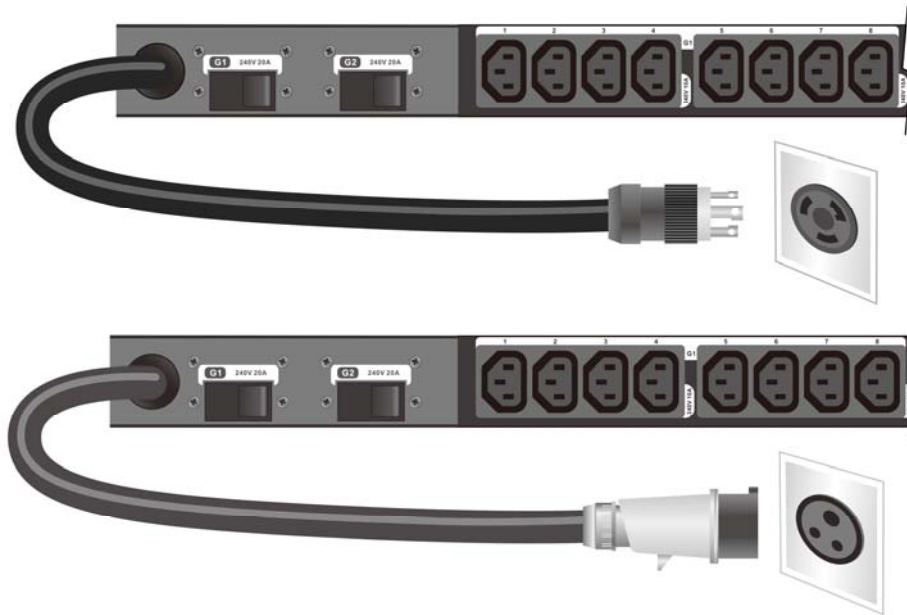
4. Using the supplied screws to fix iPoMan to the Rack

5. Attaching the Cable Retention to the iPoMan



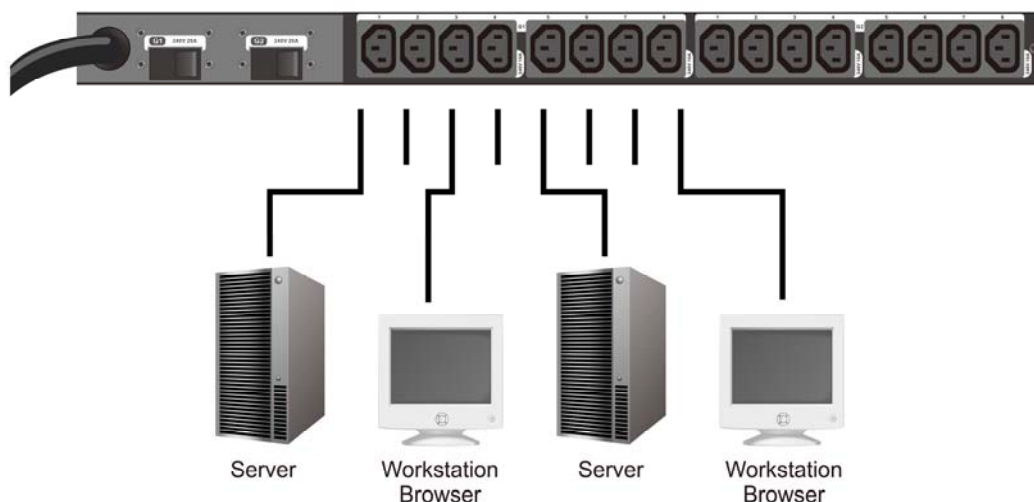
Connecting Input Power

The iPoMan has NEMA L6-30P or IEC 309 power inlets for supply power for the output devices. Connect the power cord to the power inlet and plug the other end into a power outlet as shown:



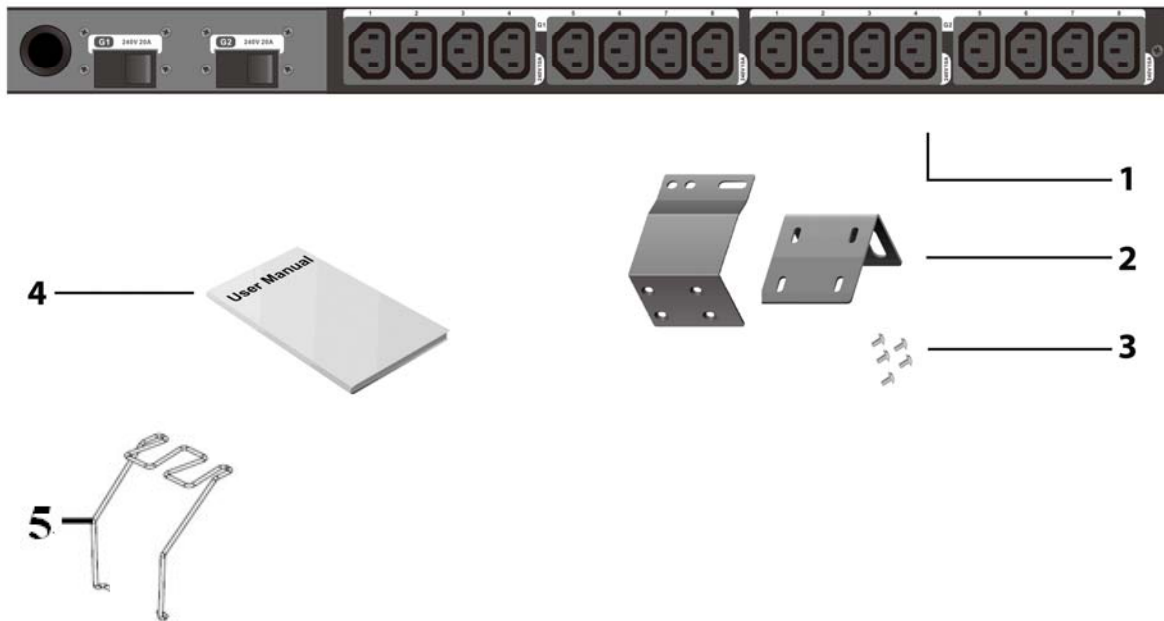
Connecting Output Devices

The iPoMan has 16 and 24 power outlets for connecting devices such as workstations, servers, and printers. Connect the power connectors of the devices to each of the power outlets with the power cords supplied with the devices as shown:



Package Contents

Make sure the iPoMan package has the following items. If any of items is missing or damaged, contact your nearest service center or vendor.



1. iPoMan
2. Fixer Bracket
2 types and select one when order
3. Bracket screws
M4x5 – 5pcs
4. Manual
5. Cable Retention 1601/1611 - 8pcs
2401/2411 - 12pcs

Appendix

Specifications

Power Input/Output	
iPoMan 1601/2401 – 240V model	AC Input Power rating: NEMA L6-30P inlet, 24 Amp, 200 ~ 240VAC, 50-60Hz
iPoMan 1611/2411 – 240V model	AC Input Power rating: IEC 309 inlet, 24 Amp, 200 ~ 240VAC, 50-60Hz AC Output: IEC C13 outlet, 10 Amp, 200 ~ 240 VAC, 50-60Hz Load: 10 Amp for each outlet or group.
Dimensions and Weight	
Size - 0U rack	iPoMan 1601 & iPoMan 1611 600(L) x 44.5(W) x 85/46(D) mm iPoMan 2401 & iPoMan 2411 860(L) x 44.5(W) x 85/46(D) mm
Weight Approx	iPoMan 1601_2.9KG iPoMan 1611_3.0KG iPoMan 2401_3.4KG iPoMan 2411_3.6KG
Operating Environment	
Temperature	Operating: 0°C ~ 55°C Non-operating: 0°C ~ 65°C
Humidity	Operating: 20 ~ 80% Non-operating: 5~95%
Warranty	
Two Years	

Regulatory Information

UL

The product is qualified per UL (Underwriters Laboratory) standards as following:

UL60950-1, 2nd Edition, 2007-03-27 (Information Technology Equipment-Safety-Part1: General Requirements)

CSA C22.2 No.60950-1-07, 2nd Edition, 2007-03 (Information Technology Equipment-Safety-Part1: General Requirements), for the use in Information Technology Equipment, including Electric Business Equipment. The cULus Listing certification is maintained for the product life and appears on the drive.

Safety Instructions for Rack Mount:

A) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

B) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

C) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

D) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

E) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

CB and TUV

The product is qualified per IEC 60950-1 and EN 60950-1, for the use in Information Technology Equipment, including Electric Business Equipment. The TUV Recognition or the CB certification is maintained for the product life.

使用手册

iPoMan 0U系列



iPoMan 1611

iPoMan 2411



前言

关于此手册

感谢选择iPoMan系列产品. 本使用者手册提供了硬件组件的详细的说明和如何使用 iPoMan。请仔细阅读本手册并在使用 iPoMan 时按照说明操作。

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安全记事

请按照以下安全指示，避免自我伤害及损害到 iPoMan。

- 要减少火灾或触电的危险，请将设备安装在有空调的室内环境，并避免将设备安装在液体附近或太潮湿的环境中。
- 勿将异物或液体放入设备中
- 此设备中不包含可让使用者单独使用维修之部件，请勿自行将设备拆解。
- 维修、维护和修复此设备必须由合格的服务人员执行。在维修设备之前先将戒指、手表和其它珠宝摘除。
- 维护、修理或装运之前，必须完全关闭电源并将连接此设备的装置拆除。
- 在设备的电源线插入前，请确保额定功率源匹配 iPoMan 的额定功率。此外确保输入电源端有电源断路器保护 iPoMan。
- 连接任何设备时，请使用标准的电源线。.

安全注意事项



警告：

机架安装式设备 — 安装机架式设备，请注意以下安装说明。

- H. 安装此设备的环境温度请勿超过摄氏 55°C.
- I. 设备上的开孔是具有空气对流作用，以保护设备避免过热影响功能，请勿将物品放在开孔上影响对流作用。
- J. 请将此设备放在可靠的地方安装，任何滑落情况将可能造成人身或设备伤害。
- K. 请按照规格指示安装此设备，确保输入电源时将连接的输出装置接到电源插座，负载和输出功率的负载电流不应超过规范。
- L. 此设备必需连接到可靠的接地后才可使用。
- M. 确认在输入电源端有**250V/30A**电源断路器保护 **iPoMan**.
- N. 使用及操作 iPoMan 时，请注意输入端电源线勿离输入插座距离太长，输入端插座离iPoMan距离愈近愈好。

目录

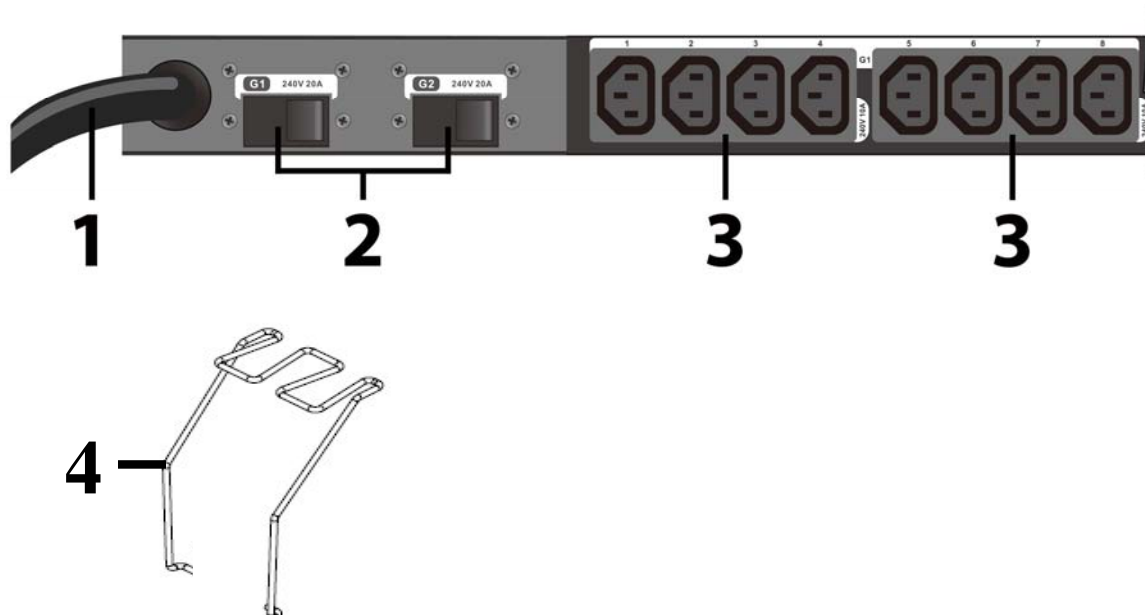
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iPoMan 0U 系列介绍

硬件组件

请您花点时间来了解iPoMan系列，以下各节提供了有关iPoMan组件以及如何使用它们的说明。

iPoMan 0U系列



组件	说明
1. 输入电源线	连接输入电源插座
2. 输出电源断路器保护装置	防止过大的电流造成iPoMan输出端设备伤害
3. 电源输出插座 iPoMan 1611_16 埠 iPoMan 2411_24 埠	将设备连接到每个电源插座，为它提供电源。
4. 电缆固定器	用于固定电源线

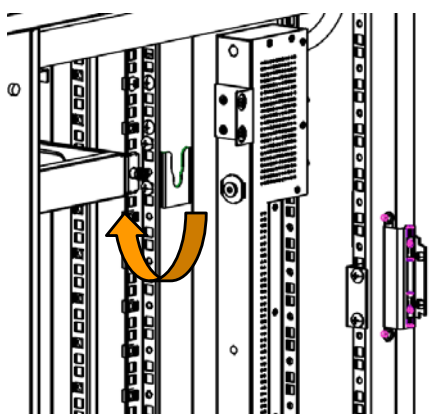
入门

本节提供了关于iPoMan如何固定在机架上，连接电源，并将设备连接到它，开始使用它的电源管理。请仔细阅读本节，以了解如何将各种设备连接到iPoMan。

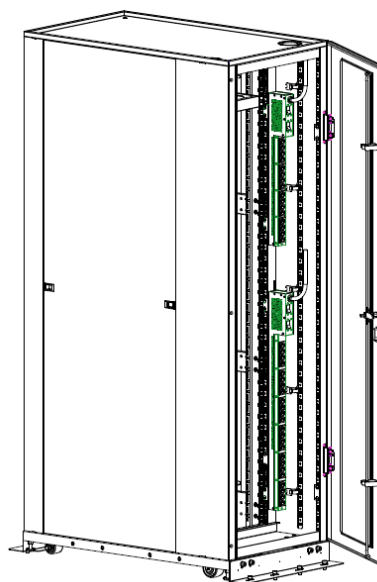
安装方法

1. 将固定支架锁在iPoMan上。

2. 将iPoMan后方的二个环形固定扣滑入机架。

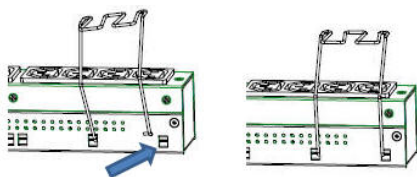


3. 将iPoMan往下推，直到锁定到位。



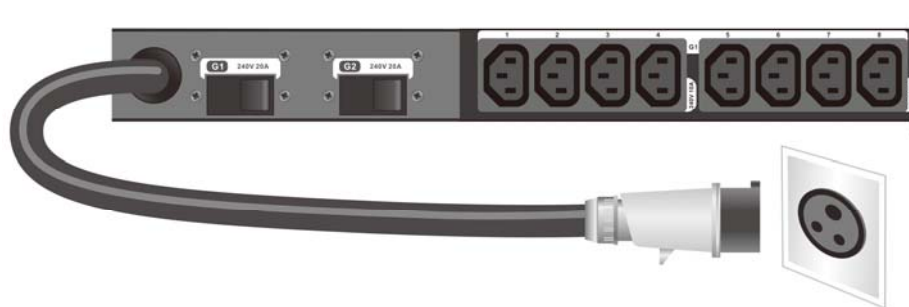
4. 使用附件包中的 4 颗螺丝，将iPoMan固定在机架上。

5. 安装电缆固定器



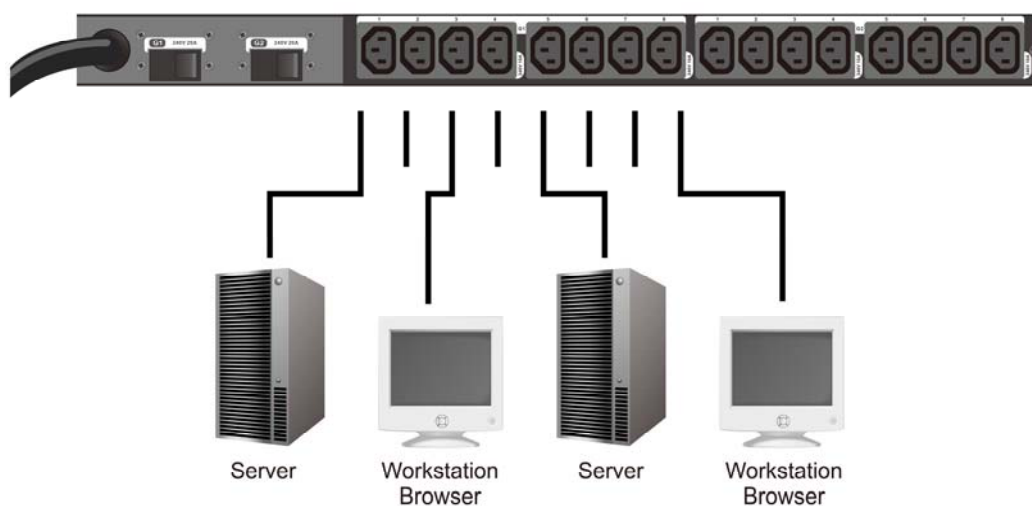
连接输入电源

iPoMan 输入端插头 IEC 309，提供电源给连接输出端设备。将电源线连接到电源插座，如图所示：



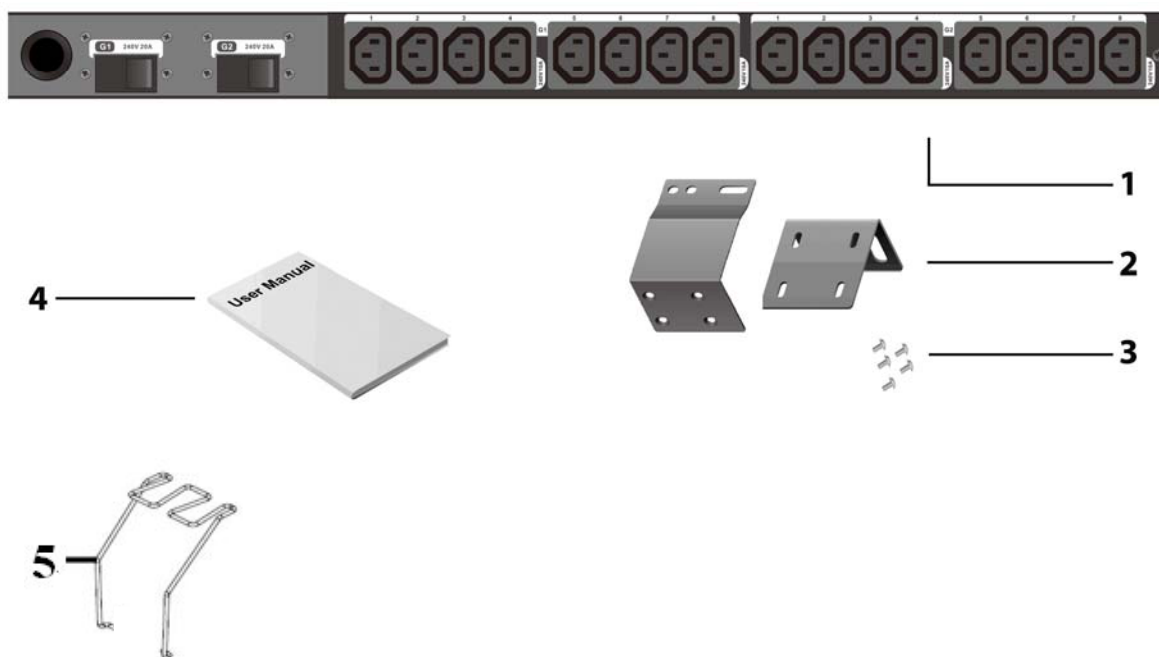
连接输出设备

iPoMan 有 16 和 24 埠输出端提供电源给连接上的设备，如工作站，服务器或打印机。如图所示：



配件

请确保 iPoMan 包有以下各项配件。如果任何一项丢失或损坏，请与您最近的服务中心或供货商联系。



1. iPoMan
2. 固定支架
2种类型，订货时选择一个
3. 螺丝
M4x5 – 5个
4. 使用手册
5. 电缆固定器 1611 - 8个 / 2411 - 12个

附录

规格

电源输入 / 输出

iPoMan 1611/2411	—	<ul style="list-style-type: none">• 额定交流电输入功率: IEC 309 , 24 安培, 200 ~ 240VAC, 50-60Hz• 输出端: IEC C13, 10 安培, 200 ~ 240 VAC, 50-60Hz• 负载: 单个或每组输出最大10 安培.
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尺寸和重量

尺寸 - 0U:	iPoMan 1611 600(长) x 44.5(宽) x 85/46(深) mm iPoMan 2411 860(长) x 44.5(宽) x 85/46(深) mm
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重量:	iPoMan 1611_3.0公斤 iPoMan 2411_3.6公斤
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操作环境

温度	操作: 0°C ~ 55°C 非操作: 0°C ~ 65°C
湿度	操作: 20 ~ 80% 非操作: 5~95%

保固

2年

法规信息

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