IP-based 8-port Switched Power Manager with 2 Cascaded Ports



Fulfilling Your Power Requirements with IP-enabled Power Outlets

Embracing ESG Principles

PLANET IPM-8221 8-port IP Power Management (IPM) device is designed to efficiently handle power distribution for a versatile array of connected devices which meet the Environmental, Social, and Governance (ESG) principles.

Leveraging cutting-edge IP-based technology, PLANET has transformed conventional power management equipment into genuine networking devices that align with sustainable and responsible business practices.

PLANET IPM-8221 can be monitored by PLANET's Universal Network Management System (UNI-NMS) and smart discovery utility to support IT staff by remotely monitoring all network devices and powered devices (PDs) while incorporating ESG considerations into the operational status assessment. This integration ensures that the device not only meets the technological needs of modern networks but also contributes to environmental sustainability, social responsibility, and robust governance in the realm of power management.



Intelligent Power Management

The IPM-8221 boasts 8 customizable power outlets that can be operated independently. It can monitor power usage via the SNMP, web interfaces, or the optional button to select the LCD panel display. This flexibility enables users to efficiently access, configure, and manage multiple networking devices remotely, saving valuable time and resources.

Hardware

- 1U rack-mount size design
- IEC outlet models
- 8 power outlets that support real-time current image monitoring
- LCD panel displays current, voltage, energy, network and environment information
- Optional button to lock-up protection to avoid modification
- Circuit breaker can avoid damage that is caused by overload
- LCD display to visually display the operating status of ports and PDU
- Each PDU can supply a maximum load of 3800W with 255 PDUs cascaded
- Enhanced with an environmental sensor to provide a temperature alert via email

Power Distribution

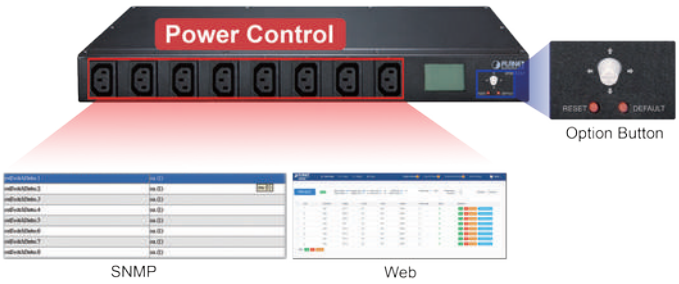
- Maximum amps/Inlet: IEC 16A for 1 inlet
- Maximum amps/Outlets: IEC 10A for per outlet
- Full frequency range: 50~60Hz
- Individual power sockets can be controlled locally and remotely
- The user can set the power on sequence and the delay time for each socket
- Supports the current, power, and power factor detection of each power supply separately
- Supports separate port set threshold warning and power off

Remote Access

- Remote power control via TCP/IP and a built-in 10/100Mbps Ethernet port
- Multi browsers support (Edge, Google, Firefox, Safari, Opera)

Management

- Network communication protocols: TCP/IP, UDP, HTTP/ HTTPS(TLS1.2), NTP, DHCP, Ping
- Events notification by sending pop-up message or e-mail
- Management Information Base (MIB) files for SNMP
- Naming support for outlets
- Voltage, current, wattage and total kWh report
- Sets over-current watchdog for each power outlet
- Activity log
- PDU energy usage statistics
- Zero meter clearing function
- Firmware upgrade
- Multiple languages



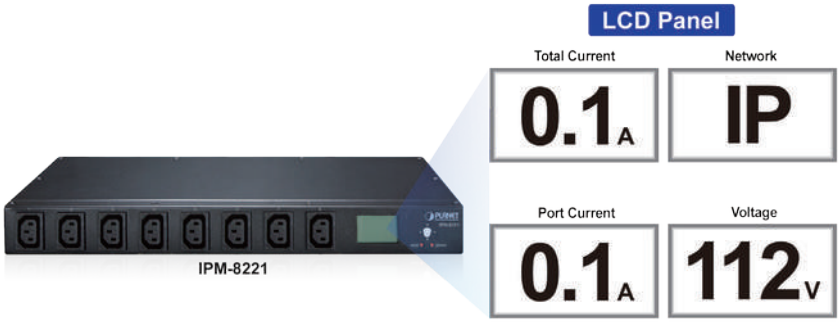
- Displays current and voltage alarms on the home page, and queries historical records of PDU anomalies
- PLANET's Universal Network Management System and Smart Discovery Utility to remotely oversee the all operational status of connected PDU.

Security

- Dynamic password verification in the login window enhances user login security verification
- Administrator and multiple users with password protection for double-layer security
- IP Filtering – Address-specific IP security masks to prevent unauthorized access

Real-time Current Monitoring

The LCD panel on the unit shows the aggregate current drawn from a power outlet. This feature aids installers in preventing overloaded circuits by issuing a visible warning when the current draw approaches the strip's maximum amperage.



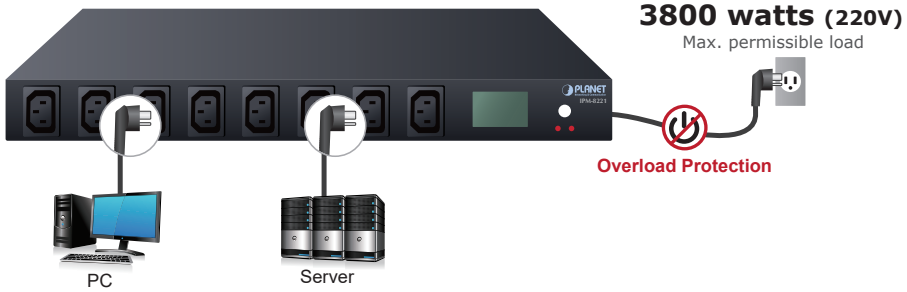
Scheduled Power On/Off

The IP-based Switched Power Manager empowers users to pre-define power schedules for IT equipment. It provides advance notice of an impending shutdown, allowing users a designated timeframe to complete tasks before the power-off sequence begins.



Enhanced Overload Protection

Unlike conventional Power Distribution Units (PDUs) that risk cutting off the entire circuit during power overload, PLANET PDU takes a proactive approach. Equipped with a built-in circuit breaker and reset switch, it ensures stable power distribution among connected equipment. The 16-amp circuit breaker acts as a safeguard against dangerous overloads, preventing potential damage to valuable equipment.



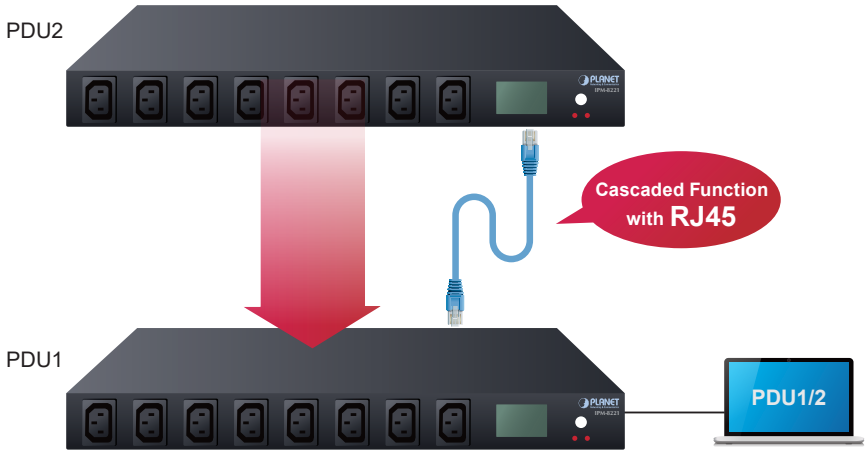
Enabling Environmental Monitoring with Precision

The IPM-8221 goes beyond power management by offering dedicated port for ambient Temperature and Humidity (T/H) sensor (sensor provided with product). This thoughtful addition allows you to seamlessly integrate environmental monitoring into your infrastructure. By connecting compatible sensor to the provided ports, you gain valuable insights into the conditions of your surroundings, ensuring optimal performance and safeguarding your equipment.

Streamlined Connectivity with Cascade Ports

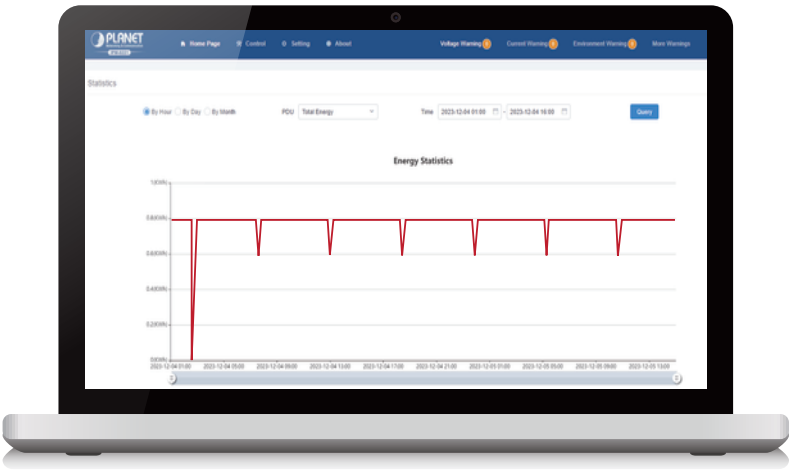
Elevate your networking experience with the IPM-8221's Cascade Input/Output Port, ideal for seamlessly linking RJ45 inputs to the other one. This enables smooth integration of multiple PDUs, optimizing your network infrastructure.

Multi PDUs Integration



Efficient Energy Management for Cost Savings

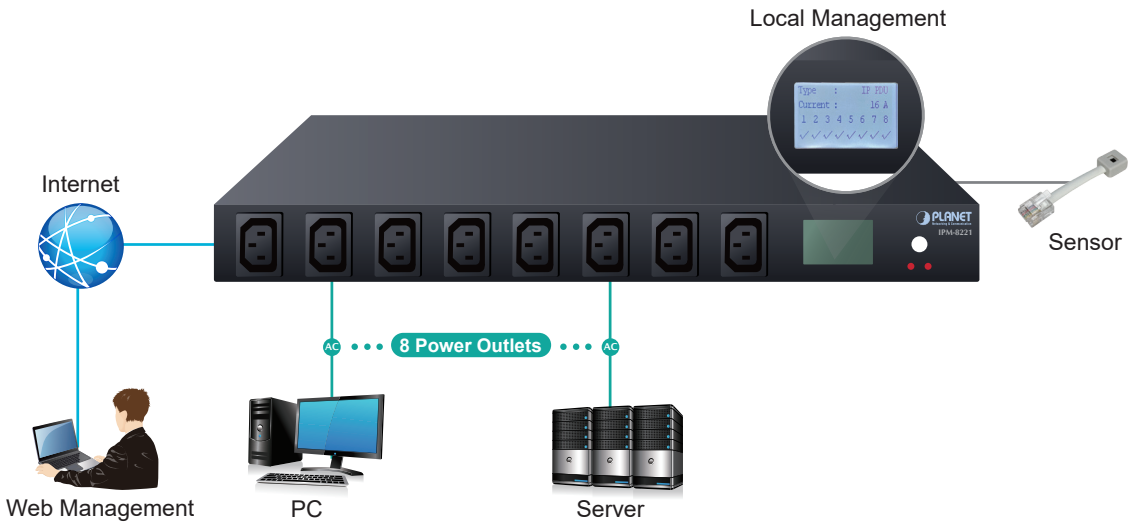
Within the configuration interface of the IPM-8221, you have the ability to monitor the current energy consumption in your office. This feature empowers you to make informed decisions to reduce energy usage, ultimately leading to significant savings on utility expenses.



Applications

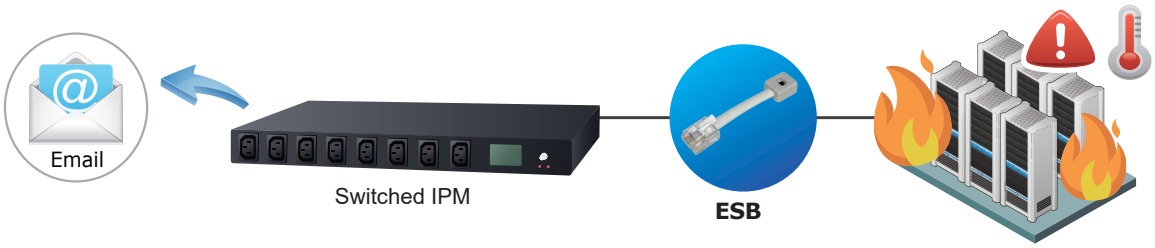
Remote Management via Network

PLANET Switched IPM consolidates power control, current monitoring, temperature and humidity monitoring with environmental sensor, web page management, e-mail, and SNMP functions together to enable technical staff to be informed and thereby to remotely deal with the relevant problems through Internet.



Environmental Sensor

The IPM-8221 is equipped with an RJ11 port for connecting an environmental sensor (sensor provided with product). Via a temperature and humidity sensor, you will get to monitor the environmental changes for the good of the power switch. When the temperature and humidity reach a high level, you will be notified via e-mail



Specifications

Product		IPM-8221	
Hardware Specifications			
Outlet Power Port		8	
Inlet Power Port		1	
Network Connector		1 RJ45 port for 10/100 BASE-TX	
Sensor Port		1 x RJ11-type, 6P	
Cascade Port		2 x RJ45-type	
Button		1 x Default Button 1 x Reset Button 1 x Interface Selection Button	
LED	State of the socket / Power	LCD Displays	
	10/100M	1 (Green/Orange)	
LCD Panel		Displays current, voltage, energy, network and environment information	
Housing		Metal	
Dimensions (W x D x H)		442 x 159 x 44.5mm	
Weight		1.84kg	
Installation		1U rack-mountable, desktop	
Breaker		1 x 16A	
Power Distribution			
Power		Inlet	Outlet
Voltage		100~240V	

Frequency	50~60Hz	
Connection	1 x IEC320 C20	8 x IEC320 C13
Maximum Current	16A	
Maximum Line Current	-	10A
Management		
User Account	Operator/Visitor	
Management / Monitor Utility	Web browser, SNMP PLANET Universal Network Management System PLANET Smart Discovery Utility	
Security	IP filter	
Standards Conformance		
Computer Interface	IEEE 802.3 10BASE-T IEEE 802.3u 10/100BASE-TX	
Regulatory Compliance	CE, FCC	
Environments		
Operating Temperature	0 ~ 60 degrees C	
Operating Humidity	0 ~ 90%	

Ordering Information

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Related Products

KVM-210-08M	17" 8-Port Combo VGA LCD KVM Switch
IKVM-210-16M	17" 16-Port Combo VGA LCD IP KVM Switch
IKVM-210-08	8-Port Combo IP KVM Switch

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