

# 19" Intelligent 8-Port PDU

## User Manual

Model 163682



[intellinetnetwork.com](http://intellinetnetwork.com)

***Important: Read before use. • Importante: Leer antes de usar.***



## Before You Begin

Read through this manual carefully before using the product and operate it according to the manual. Keep it in an easily accessible location for future reference.

Do not disassemble the device or remove the seal label from the device. Doing so will void the Intellinet product warranty.

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# Chapter 1: Getting Started

## Product Overview

The Intellinet 19" Intelligent 8-Port PDU helps provide steady power to keep network equipment active. It monitors electricity and environmental status to provide users with relevant information and alert them of potential power overloads. The user can readily view equipment status and turn on or shut off each output port by accessing the device through the network.

## Product Features:

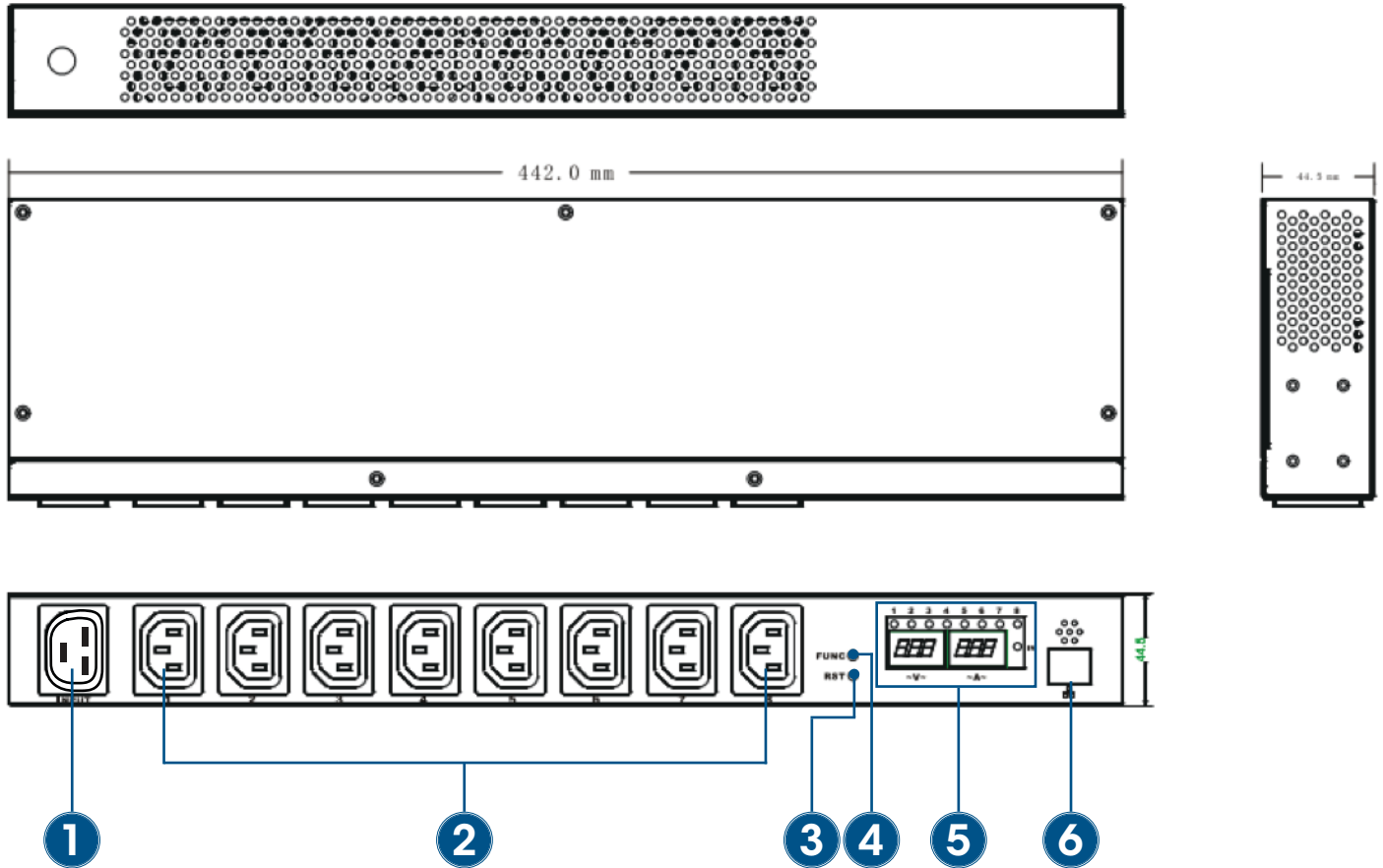
- Eight power outputs (total current, 16 A)
- Current, voltage (total input) measurements
- Built-in temperature and humidity sensors to monitor the environment
- Embedded technology, Java support, web browsing
- Two-level programmable values for warning and overload
- Circuit-delay time setting to prevent power surges
- LED indicators for the power supply on each switch
- LED digital display to show the current value of voltage and current
- Local query buttons of PDU equipment
- Built-in lightning- and voltage-surge resistance to effectively protect connected equipment

## Product Specifications:

- Voltage input: 110-240 V, 50/60 Hz
- Voltage output: 110-240 V, 50/60 Hz
- Input socket type: IEC320 C20, \*1 bit
- Output socket type: IEC320 C13, \*8 bits
- Protection: 16 A overload protection, lightning protection
- Voltage measurement range: 90 – 264 VAC, resolution 1 V
- Current working range: 0 – 20 A, resolution 0.1 A
- Temperature measurement range: 20% -90% RH, resolution 1% RH
- Humidity measurement range: 0 – 50° C, resolution 1° C



## Chapter 2: Product Diagram



### Key

1. Power Input Socket: IEC320 C20
2. Output Socket: IEC C13
3. Reset Key
4. Function Key: check the machine IP address
5. Display Panel: voltage, current, temperature, humidity, etc.
6. Network Port: connect LAN or WAN

# Chapter 3: Functions

## Basic Functions

1. **Connecting and Powering Equipment:** Connect the input power cords from your server/network equipment to the output ports on the Intellinet 19" Intelligent 8-Port PDU. Connect one end of a power cord to the input socket and the other to an AC wall outlet. By default, the Intelligent PDU will then power up each power-out socket from ports one through eight at one-second intervals. The display panel will show the current supply voltage and total power output as well as the LED indicator lights.
2. **Check the IP address:** Press the FUNC button to display the IP address, voltage and current. The default IP address is 192.168.0.100.
3. **Check the temperature and humidity:** Press the FUNC button after the display shows the IP address to reveal the temperature and humidity of the environment. The left part of the screen shows temperature and the right shows humidity.
4. **Reset equipment:** Press the RST button on the front panel.
5. **Network access and control:** With the PDU powered-on, users can access and control the host with a PC in the same LAN by connecting an RJ45 cable to the network port.

## Interface Functions

PDU

Total load: 0.0A, Temperature: 24°C, Humidity: 32%, Status: Normal		
<b>Information</b>	<b>PDU</b>	
<a href="#">PDU</a>	PDU	Current: 0.0A Status: Normal
<a href="#">System</a>		
<b>Control</b>	Threshold value	
<a href="#">Socket</a>	<b>Voltage</b>	
	Warning value	250 V
<b>Configuration</b>	Overload value	300 V
<a href="#">PDU</a>		
<a href="#">Threshold value</a>	<b>Current</b>	
<a href="#">User</a>	Warning value	5.0 A
<a href="#">Network</a>	Overload value	6.0 A
	<b>Temperature</b>	
	Warning value (under)	5 °C
	Warning value (exceed)	50 °C
	<b>Humidity</b>	
	Warning value	80 %

## 1 Login Control Interface

Open the IE browser on any PC in LAN host and enter the IP address into the address bar: http://192.168.0.100. Log in to the Intelligent PDU control interface (shown below) by entering the administrator credentials that follow into the login screen:

User Name: **admin**  
 Password: **admin**



## 2 PDU System Information

Click "System" in the configuration bar on the left side of the interface to display PDU system information. The screen displays the following:

<b>Product model</b>	IP PDU
<b>Firmware version</b>	1.0.0
<b>MAC address</b>	<input type="text" value="00:04:A3:00:00:00"/>
<b>System name</b>	<input type="text" value="IP PDU"/>
<b>Administrator</b>	<input type="text" value="admin"/>
<b>System location</b>	<input type="text" value="office"/>
	<input type="button" value="Apply"/>

## 3 Power Port Control

Click "Socket" in the configuration bar on the left side of the interface. The screen displays the following:

Socket name	Status	<input type="checkbox"/>
outlet1	OFF	<input type="checkbox"/>
outlet2	OFF	<input type="checkbox"/>
outlet3	OFF	<input type="checkbox"/>
outlet4	OFF	<input type="checkbox"/>
outlet5	OFF	<input type="checkbox"/>
outlet6	OFF	<input type="checkbox"/>
outlet7	OFF	<input type="checkbox"/>
outlet8	OFF	<input type="checkbox"/>
	Operation <input type="text" value="ON"/>	<input type="button" value="Apply"/>

Users can turn on or shut off any of the eight outputs through this interface.

- **Start all:** click on the drop-down menu from the Operation box, choose "Start" and click the "Apply" button.
- **Shut off all:** click the drop-down menu from the Operation box, choose "Shut off" and click the "Apply" button.
- **Custom Start and Shut off** (e.g., the user wants to turn on outlets 1, 2, 3, and 4 but shut off 5, 6, 7, and 8): Click the empty boxes of the outlets to turn on, select Start from the drop-down menu and click Apply. Then, click the empty boxes of the outlets to turn off, select Shut off and click Apply.

## 4 ON and OFF Time Delay

Click "PDU" in the configuration box on the left side of the interface. The screen displays the following:

Socket name	ON delay (seconds)	OFF delay (seconds)
outlet1	5	5
outlet2	6	6
outlet3	7	7
outlet4	8	8
outlet5	9	9
outlet6	10	10
outlet7	11	11
outlet8	12	12

- This function lets you adjust delay times in the start-up and shut-off sequences for connected equipment. In the default settings shown here, power is supplied to and shut off from all ports in one-second intervals after five seconds have passed from a start-up or shut-down command. Change values by entering them into the fields and click Apply. NOTE: When input power is disconnected from its source, the OFF Delay function is ignored, and power shuts off immediately to all equipment. Shutting off the time-delay function only applies to the devices connected to the PDU.

## 5 Threshold Value Setting

Click "Threshold value" in the configuration box on the left side of the interface. The screen displays the following:

Name	Threshold value	
Current	Warning value	17.0 A
	Overload value	17.0 A
Voltage	Warning value	250 V
	Overload value	300 V
Temperature	Under	5 °C
	Above	50 °C
Humidity	Warning value	80 %

The meaning of each input is as follows; adjust values here and click Apply when finished:

- **Current Warning value** (17.0 A) — if total current exceeds 17 A, the PDU will beep twice;
- **Current Overload value** (17.0 A) — if total current exceeds 17 A, the PDU will shut off power to all output ports;
- **Warning Voltage value** (250) — if input voltage exceeds 250 V, the PDU will beep twice;
- **Voltage Overload value** (300) – if input voltage exceeds 300 V, the PDU will shut off power to all output ports;
- **Temperature is Under** (5°C) or **Above** (50°C): if the built-in temperature sensor reads temperatures under or over these thresholds, the PDU will beep twice;
- **Humidity Warning value** (80%): if the built-in humidity sensor reads humidity at more than 80%, the PDU will beep twice.

**NOTE:** if a threshold is reduced, the unit will not power off but will give a two-beep warning until the limit is exceeded.





## 6 Change the User Name and Password

Click "User" in the configuration box on the left side of the interface. The screen displays following:

Original	
User name	<input type="text"/>
Password	<input type="password"/>
New	
User name	<input type="text"/>
Password	<input type="password"/>
Confirmation	<input type="password"/>
<input type="button" value="Apply"/>	

After filling in the original and new user name as well as the password and password confirmation respectively, click the Apply button. The new user name and password will be used at the next login.

## 7 IP Address and DNS Setting

Click "Network" in the configuration box on the left side of the interface. The screen displays the following:

IP address	
Host name	<input type="text" value="PDUBOARD"/>
IP address	<input type="text" value="192.168.0.100"/>
Subnet mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.0.1"/>
	<input type="checkbox"/> Enable DHCP
DNS	
Primary DNS IP	<input type="text" value="192.168.0.1"/>
Secondary DNS IP	<input type="text" value="192.168.0.1"/>
<input type="button" value="Apply"/>	

Users can adjust values here. The meaning of each input in the above dialog box is as follows:

- **Host Name:** the name of the LAN;
- **IP Address:** the current LAN IP address;
- **Subnet Mask:** the current LAN subnet mask;
- **Gateway:** the current gateway;
- **Enable DHCP:** allows the supervising router to distribute network parameters automatically for the Intelligent PDU;
- **Primary DNS IP:** refers to the supervising router setting of the current LAN;
- **Secondary DNS IP:** refers to the supervising router setting of current LAN



## Additional Information

### WASTE ELECTRICAL & ELECTRONIC EQUIPMENT

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- B. Garantizamos los productos con partes móviles por 3 años.
- C. Garantizamos los demás productos por 5 años (productos sin partes móviles), bajo las siguientes condiciones:
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2. El comercializador no tiene talleres de servicio, debido a que los productos que se garantizan no cuentan con reparaciones, ni refacciones, ya que su garantía es de cambio físico.
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## REGULATORY STATEMENTS

### FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and the receiver; connect the equipment to an outlet on a circuit different from the receiver; or consult the dealer or an experienced radio/TV technician for help.

### CE

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