

19" Intelligent 8-Port PDU

User Manual

Model 163682



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 is designed to provide steady power and 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.

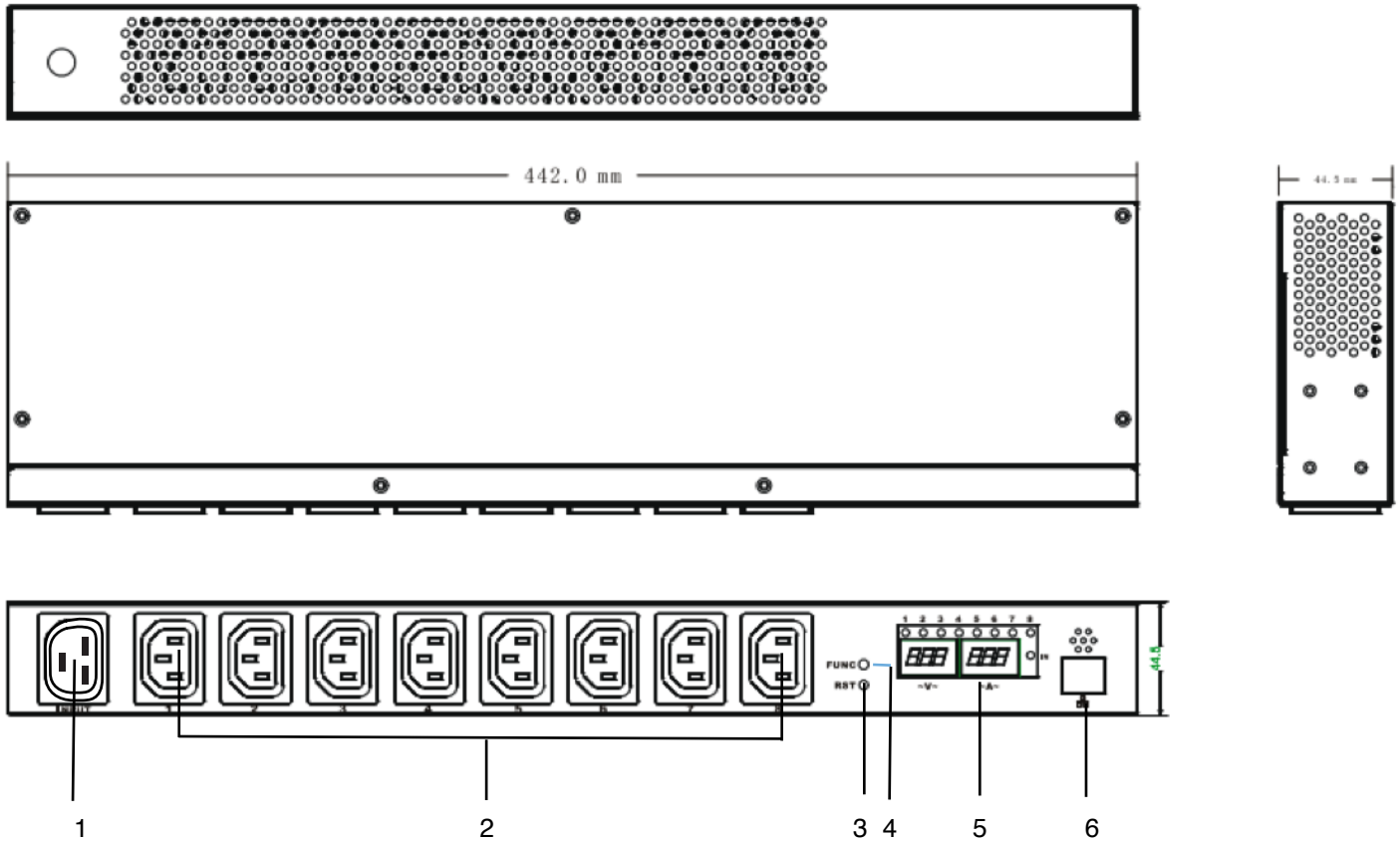
Product Features:

- 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 °C-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 192.168.0.10.
- 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		
Information	PDU	
PDU	PDU	Current: 0.0A Status: Normal
System		
Control	Threshold value	
Socket	Voltage	
	Warning value	250 V
Configuration	Overload value	300 V
PDU		
Threshold value	Current	
User	Warning value	5.0 A
Network	Overload value	6.0 A
	Temperature	
	Warning value (under)	5 °C
	Warning value (exceed)	50 °C
	Humidity	
	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://192.168.0.10>. 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:

Product model	IP PDU
Firmware version	1.0.0
MAC address	<input type="text" value="00:04:A3:00:00:00"/>
System name	<input type="text" value="IP PDU"/>
Administrator	<input type="text" value="admin"/>
System location	<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="v"/>	<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** (for example — 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 allows for the adjustment of the delay time in the start-up and shut-off sequences for connected equipment. In the factory settings shown here, power will be supplied to and shut off from ports one through eight in one-second intervals after five seconds have passed. Once new values have been entered, 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 is only able to control the eight-way output through a network.

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 <input type="text" value="5.0"/> A	Overload value <input type="text" value="6.0"/> A
Voltage	Warning value <input type="text" value="250"/> V	Overload value <input type="text" value="300"/> V
Temperature	Under <input type="text" value="5"/> °C	Above <input type="text" value="50"/> °C
Humidity	Warning value <input type="text" value="80"/> %	

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

- **Current Warning value** (5.0 A) — if total current exceeds 5 A, the PDU will beep twice;
- **Current Overload value** (6.0 A) — if total current exceeds 6 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.

⑥. Change the User Name and Password

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

The screenshot shows a configuration window with two sections: 'Original' and 'New'. Each section has input fields for 'User name' and 'Password'. The 'New' section also includes a 'Confirmation' field. An 'Apply' button is located at the bottom center of the window.

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:

The screenshot shows a configuration window with two main sections: 'IP address' and 'DNS'. The 'IP address' section includes input fields for 'Host name' (PDUBOARD), 'IP address' (192.168.0.100), 'Subnet mask' (255.255.255.0), and 'Gateway' (192.168.0.1). There is also a checkbox for 'Enable DHCP' which is currently unchecked. The 'DNS' section includes input fields for 'Primary DNS IP' (192.168.0.1) and 'Secondary DNS IP' (192.168.0.1). An 'Apply' button is located at the bottom center of the window.

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

Chapter 4: Additional Information

Waste Electrical & Electronic Equipment

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English: This symbol on the product or its packaging indicates that this product shall not be treated as household waste.



Instead, it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. If your equipment contains easily removable batteries or accumulators, dispose of these separately according to your local requirements. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, contact your local city office, your household waste disposal service or the shop where you purchased this product. In countries outside of the EU: If you wish to discard this product, contact your local authorities and ask for the correct manner of disposal.

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ESPAÑOL: Si desea obtener información sobre la garantía, visite intellinetnetwork.com/warranty.

FRANÇAIS: Pour consulter les informations sur la garantie, rendezvous à l'adresse intellinetnetwork.com/warranty.

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- 1) Todos los productos a que se refiere esta garantía, ampara su cambio físico, sin ningún cargo para el consumidor;
- 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;
- 3) La garantía cubre exclusivamente aquellas partes, equipos o sub-ensambles que hayan sido instaladas de fábrica y no incluye en ningún caso el equipo adicional o cualesquiera que hayan sido adicionados al mismo por el usuario o distribuidor.

Para hacer efectiva esta garantía bastará con presentar el producto al distribuidor en el domicilio donde fue adquirido o en el domicilio de IC Intracom México, S.A.P.I. de C.V., junto con los accesorios contenidos en su empaque, acompañado de su póliza debidamente llenada y sellada por la casa vendedora (indispensable el sello y fecha de compra) donde lo adquirió, o bien, la factura o ticket de compra original donde se mencione claramente el modelo, número de serie (cuando aplique) y fecha de adquisición. Esta garantía no es válida en los siguientes casos: Si el producto se hubiese utilizado en condiciones distintas a las normales; si el producto no ha sido operado conforme a los instructivos de uso; o si el producto ha sido alterado o tratado de ser reparado por el consumidor o terceras personas.

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 RED

English: This device complies with the requirements of CE RED 2014/53/EU, 2014/108/EC and/or 2006/95/EC. The Declaration of Conformity for is available at:

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Español: Este dispositivo cumple con los requerimientos de CE RED 2014/53/EU, 2014/108/EC y / o 2006/95/EC. La declaración de conformidad esta disponible en:

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