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PN5212/PN5320 Power Distribution Unit Quick Start Guide

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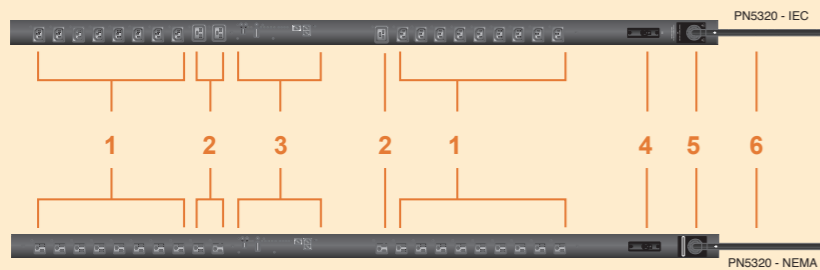
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 This product is RoHS compliant PAPE-1215-401G Printing Date: 07/2011

1 Package Contents

The PN5212/PN5320 package consists of:

- | | |
|--|---------------------|
| 1 PN5212 or PN5320 Power Distribution Unit | 2 Rack Mount Kit |
| 3 Serial Adapters | 1 Grounding Wire |
| 1 SA0149 (RJ45F to DB9F) | 1 User Manual |
| 1 SA0150 (RJ45F to DB9M) | 1 Quick Start Guide |
| 1 SA0151 (RJ45F to DB9F) | 1 Software CD |

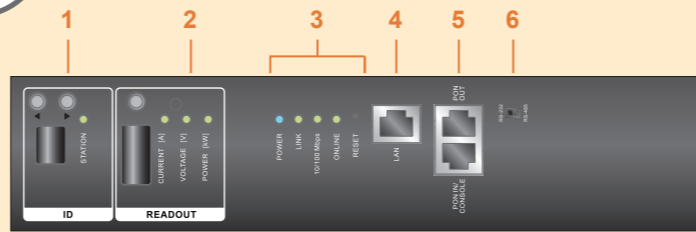
2 Hardware Review (Front View)



- | | |
|--|-----------------------|
| 1. Power Sockets (17 x NEMA 5-15R or 17 x IEC C13) | 4. Circuit Breaker |
| 2. Port and LED Panel | 5. Grounding Terminal |
| 3. Power Sockets (3 x NEMA5-20R or 3 x IEC C 19) | 6. Power Cord |

Note: The Front View diagram depicts a PN5320. The PN5212 is basically the same, except there are only 12 AC power sockets (6 on each side of the Port and LED panel), and all the sockets are NEMA 5-15R or IEC320 C13. There are no NEMA 5-20R or IEC320 C19 sockets

3 Hardware Review (Port and LED Panel)



- | | |
|---------------------------------|--------------------------|
| 1. Station Selection | 5. PON Out Port |
| 2. Readout Section | 6. RS-232/RS-485 Switch |
| 3. Status LEDs and Reset Switch | 7. PON In / Console Port |
| 4. LAN Port | |

4 Requirements

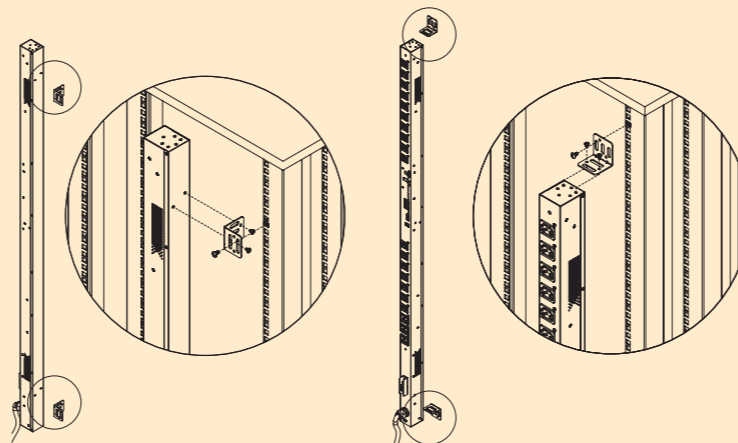
- Browsers accessing the PN5212 / PN5320 must support SSL 128 bit encryption.
- For cold booting of attached computers, the computer's BIOS must support Wake on LAN or System after AC Back.
- For Safe Shutdown:
 - The computer must be running Windows (Windows 2000 or higher), Linux.
 - The safe shutdown AP (available by download from our website or from the software CD included), must be installed and running on the computer

5-1 Hardware Installation

Rack Mounting

The PN5212 / PN5320 can be installed in a 0U configuration on the side of a rack. To rack mount the device, use the rack mounting brackets that came with your device.

1. The brackets can be mounted either on the back panel, or the top and bottom of the device.



5-2 Hardware Installation

2. L bracket, mounting style 1



3. L bracket, mounting style 2



4. Z bracket, mounting style 1, front and rear view.



5. Z bracket, mounting style 2



Single Stage Installation

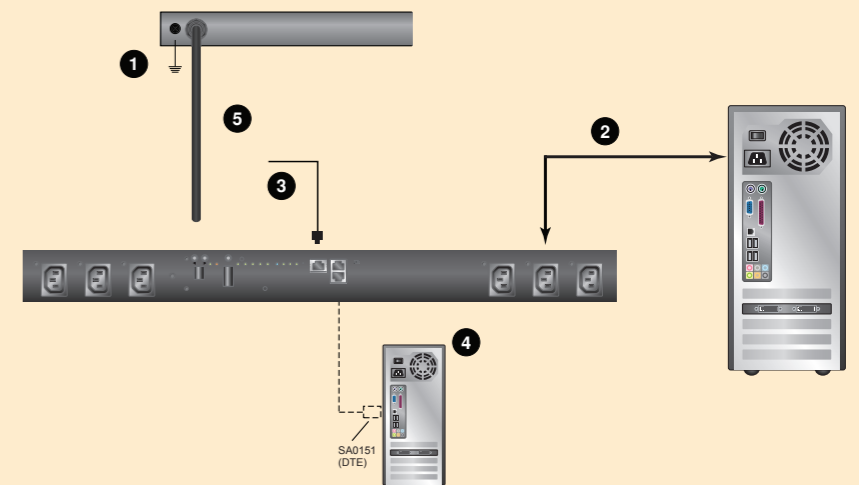
In a single stage installation, there are no additional PN5212 / PN5320 stations daisy chained down from the first unit. To set up a single stage installation, refer to the installation diagram (the numbers in the diagram correspond to the numbered steps), and do the following

1. Use a grounding wire to ground the PN5212 / PN5320 by connecting one end of the wire to its grounding terminal, and the other end of the wire to a suitable grounded object.
Note: Do not omit this step. Proper grounding helps to prevent damage to the unit from surges or static electricity.
2. For each device you want to connect, use its power cable to connect from the device's AC socket to any available outlet on the PN5212 / PN5320.
3. Plug the cable that connects the PN5212 / PN5320 to the LAN into the PN5212 / PN5320's LAN port.
4. (Optional) If you wish to use a console terminal connection, use Cat 5e cable to connect the PN5212 / PN5320's PON IN/Console port to the SA0151(DTE) adapter supplied with your package. Connect the adapter's serial connector to the COM port of the computer you will use for the console terminal.
5. Connect the PN5212/PN5320's power cord to an AC power source.

Note: We strongly advise that you do not plug the PN5212/PN5320 into a multi socket extension cord, since it may not receive enough amperage to operate correctly.

Once you have finished these installation steps, you can turn on the PN5212 / PN5320 and the connected devices.

Note: We strongly recommend using cable ties and cable bars to safely and securely route the cables attached to the back of the unit.

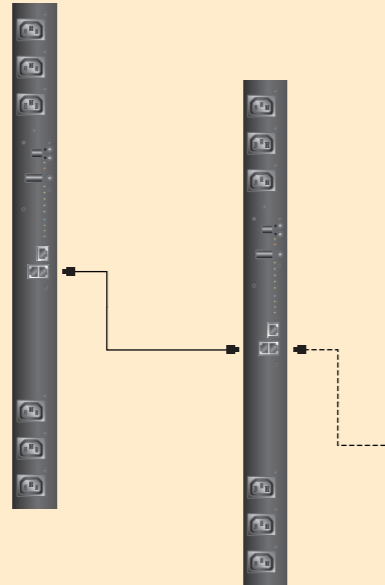


5-3 Hardware Installation

Daisy Chaining

To manage even more outlets from the same single session as a standalone PN5212/PN5320, additional Power Over the NET™ switches can be daisy chained.

Note: The maximum distance between any two Power Over the NET™ switches must not exceed 15 m; the total distance from the first station to the last must not exceed 100 m.



6-1 Operation

Super Administrator Setup

First Time Setup

Once the PN5212 / PN5320 installation has been cabled up, the next tasks the Administrator needs to perform involve configuring the network parameters, changing the default Super Administrator login settings, and adding users.

The easiest way to accomplish this is to log in over the Net with a browser.

Browser Login

The PN5212 / PN5320 can be accessed via a supported Internet browser from any platform.

Note: Browsers must support SSL 128 bit encryption.

To access the PN5212 / PN5320 do the following:

1. Open your browser and specify the IP address of the PN5212 / PN5320 you want to access in the browser's URL location bar. If you don't know the IP address, get it from the PN5212 / PN5320 administrator. If you are the administrator and are logging in for the first time, use the default IP address of 198.162.0.60.

Note: You must be on the same network segment as the PN5212 / PN5320 to use the default IP address.

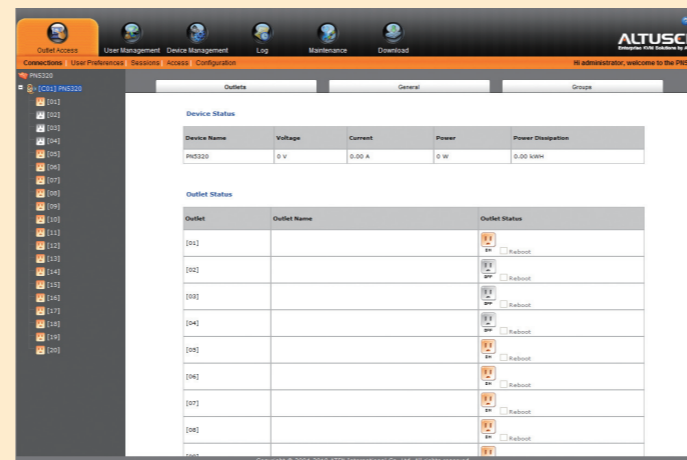
2. If a Security Alert dialog box appears, accept the certificate - it can be trusted. The Login page appears:
3. Provide a valid Username and Password (set by the PN5212 / PN5320 administrator), then click Login to bring up the browser Main Page.

If you are the administrator and are logging in for the first time, use the default Username:

administrator; and the default Password: **password.**

Note: For security purposes we recommend changing them to something unique.

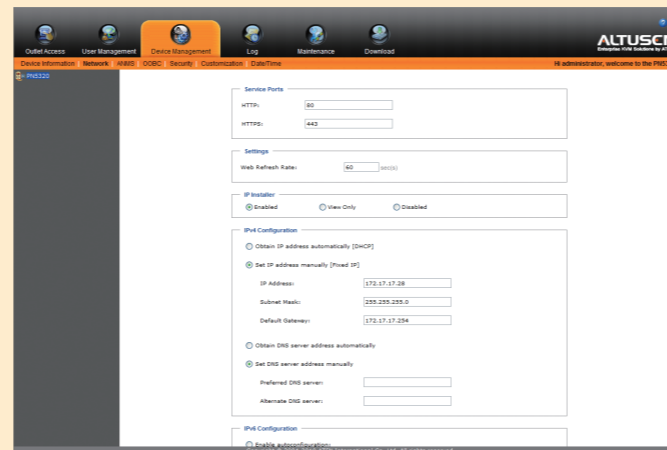
6-2 Operation



Network Configuration

To set up the network, do the following:

1. Click the **Device Management** tab.
2. Select **Network** on the menu bar. A screen similar to the one below appears:

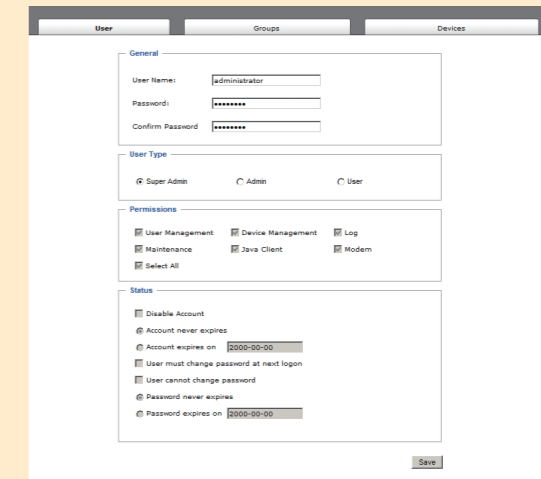


6-3 Operation

Changing the Administrator Login

To change the default Super Administrator username and password, do the following:

1. Click the **User Management** tab.
2. Click administrator in the Sidebar.
3. Change the Username and Password to something unique.
4. Re-enter the password to confirm it is correct.
5. Click Save.
6. When the dialog box informing you that the change completed successfully appears, Click OK.



7 Specifications

Function		PN5212	PN5320
Power Outlets	Direct	12	20
	Max	192 (via Daisy Chain)	320 (via Daisy Chain)
Connectors	Power Inlets	NEMA	1 x NEMA L5-20P
		IEC	1 x IEC 60309
	Power Outlets	NEMA	12 x NEMA 5-15R
		IEC	12 x IEC320 C13
PON In / Console	1 x RJ-45 (F)		
PON Out	1 x RJ-45 (F)		
LAN	1 x RJ-45 (F)		
LEDs	ID	1 x 2-digit 7-segment	
	Station	1 x Green	
	Readout	1 x 3-digit 7-segment	
	Current	1 x Green	
Voltage	1 x Green		
	Power	1 x Green	
I/P Rating (Total Input)	NEMA (UL)	100-120V; 50/60Hz; 16A	100-120V; 50/60Hz; 24A
	NEMA (PSE)	100-120V; 50/60Hz; 16A	100-120V; 50/60Hz; 24A
	IEC	200-240V; 50/60Hz; 16A	200-240V; 50/60Hz; 32A
Load Capacity	NEMA (UL)	120V; 50/60Hz; 1920W	120V; 50/60Hz; 2880W
	NEMA (PSE)	120V; 50/60Hz; 1920W	120V; 50/60Hz; 2880W
	IEC	230V; 50/60Hz; 3680W	230V; 50/60Hz; 7360W
O/P Rating	Per Port	NEMA (UL)	100-120V; 50/60Hz; 12A
		NEMA (PSE)	100-120V; 50/60Hz; 12A
	Total	NEMA (UL)	100-120V; 50/60Hz; 15A
		NEMA (PSE)	100-120V; 50/60Hz; 15A
Power Consumption	NEMA (UL / PSE)	120V; 50/60Hz; 16W	120V; 50/60Hz; 22W
	IEC	230V; 50/60Hz; 18W	230V; 50/60Hz; 26W
Environment	Operating Temperature	0-50oC	
	Storage Temperature	-20-60oC	
	Humidity	0 ~ 80% RH Non-condensing	
Physical Properties	Housing	Metal	
	Weight	4.49 kg	5.68 kg
	Dimensions (L x W x H)	6.42 x 5.46 x 134 cm	6.42 x 5.46 x 167.64 cm