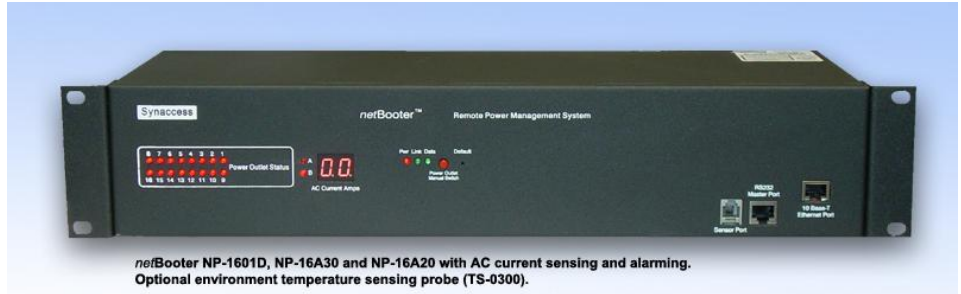




**netBooster™ NP-16S (Modles: NP-16S, NP-1601DS, NP-1601DHS, NP-16A20S, NP-16A30S)**  
Secured 16 Port Remote AC Power Management, Environment Temperature and AC Current Monitoring Systems

- 16 Power Outlets
- Dual or Single AC Input
- 15A+15A , 20A or 30A
- Web Browsing (HTTP/HTTPS)
- Emailing For Remote Access
- SNMP/Trap
- AutoPing/Reboot/ON/OFF & Email Alert
- AC Current/Temperature Monitoring
- TCP Programming Interfacing
- Local RS-232 Serial Port
- Daily Scheduled Reboot



**Back View of NP- 16S (Single or Dual Cords)**

**NP-16S Series** provides secured remote power source management operation and AC current and environment temperature monitoring\* via TCP/IP networks or local direct connection. Accessing the system is password protected at Administration level or user privilege levels. Network security includes SSL (Secure Sockets Layer) for secured web access (HTTPS).

**AutoPing and Power Reboot/On/Off** - The 16 power outlets are fully controlled via Telnet, Web, SNMP, emailing, local or via external Modem. The AutoPing feature enables the system to constantly monitor an IP address for a remote system and executes power reboot whenever the system is down. Each outlet has its own thread of AutoPing operation

**Current Draw and Environment Temperature Monitoring (NP-1601D)** - It constantly collects aggregated True RMS current data from all power outlets. Environment temperature is monitored via an external digital temperature sensing probe. The current and temperature status are viewed from a web browser, Telnet terminals or SNMP object viewer. Alarm messages and TRAP messages will be sent or logged to a local file on the unit, if current draw passes user defined threshold.

**Versatile Outlet Operations** – AC Outlets can be grouped for application specific needs. Environment temperature process control is applicable to all outlets. Each outlet can



Environment Temperature Probe (Optional Part)

Please See Live Demonstration At:  
<http://www.synaccess-net.com/remote-power.php/1/10>

**Features:**

- Standard 19" 2U chassis. 6" in depth.
- Handles large current equipment up to 30A @ 110 VAC. 20A @ 220VAC.
- One RS232 Master Service port and one 10/100 base-T RJ-45 Ethernet port.
- AC current draw monitoring and alarming. AC current threshold settings, local data logging, SNMP TRAP and email notifications.
- Environment temperature sensing port for digital temperature probe input. Upper and low temperature threshold settings for outlet process control applications. Temperature alarm notifications including local data logging, SNMP TRAP notifications and emails.
- Each of 16 power outlet is user name and password protected.
- Each of AC outlets can generate ON/OFF pulses with specified period, duty cycle and number of pulses.
- Autoping and power reboot/ON/OFF for each power outlet. Email alert message if actions are taken.
- Telnet accessibility. command-in-line for configuration and controls.
- Direct TCP programming interface with a list command programming codes.
- Embedded web server (HTTP/HTTPS) enables user to easily change settings, view or alter system status.
- Integrated SNMP agent and Trap notification capability.
- POP3/SMTP for sending and receiving emails. Via Emails, users are able to send commands, such as power reboot.
- Dial-up modem connection via local serial port.
- Administration and User level name and password protection, including user name and password authentication for Web access or email sending.



### System Specifications

Item	NP-16S (Dual Cord)	NP-1601DS NP-1601DHS (Dual Cord)	NP-16A30 (Single Cord)	NP-16A20 (Single Cord)
Power Input	30 Amps	30 Amps	30 Amps	20 Amps
Voltage	110VAC – 220VAC			
Connector(s)	2 NEMA 5-15P Plugs	2 NEMA 5-15P Plugs	1 NEMA L5- 30P Plug	1 NEMAL5-20P Plug
# Of AC Output Outlets	16			
Outlet Type	NEMA 5-15	NEMA 5-15 (DS) IEC-320 C13 (DSH)	NEMA 5-15	
Total Load (Combine all AC outlets)	30 Amps Max	30 Amps Max	30 Amps Max	20 Amp Max
AC Current Monitoring	None	Yes	No	No
Physical Dimensions	19" X3.2" X 6.25" (19"-2U)			
Console Interface – Local Master Port	1 RS232 Port. RJ-45 Connector. Data: 7 or 8 bits. Stop Bits: 1 or 2. Parity: None, Odd or Even. Flow Control: None or RTS/CTS. Baud Rate: 2400 to 115200.			
Network Interface	10 Base-T. RJ-45.			
Network Protocols:	ICMP, IP, TCP, DHCP, Telnet, DNS, POP3/SMTP, SNMP, HTTPS/HTTP, and BootP.			
Display	16 Power outlet On/Off status LEDs. 2 Network LEDs. 2 digit LED Display for System with AC Current Draw Monitoring			
Weight	11 lbs. Shipping Weight.		11 lbs. Shipping Weight.	
Operational Temp. Environment	-13F° – 122F° (-25C° – 50C°)			
Humidity	10 – 90% RH			
Storage Temp.	-22F° – 140F° (-30C° – 60C°)			
Safety / EMI Compliance	TUV(US) UL-60950 and FCC Class A. File No. 0749447.01			

Customer Specific Requirements: Please call for your application specific requirements. Customized features including input power plug type **NEMA L5-20P or L5-30P**.