

Cost effective solutions for small business server rooms and network closets

Challenge

“I have a small room, and want to manage it as best I can without breaking the bank. I need a simple solution that is easy to install”

Open frame rack solutions are perfect for a secure room, and can allow equipment to ventilate freely

If you are deploying equipment into a room that is secure, then a secure enclosure is probably not necessary. An open frame rack can provide a cost effective place to organize and install IT equipment of any shape and size.

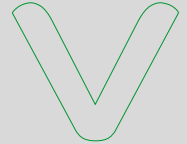
Our solution also includes a UPS system to protect equipment from power outages and surges, giving battery power if the mains power fails. With scalable runtime, you decide how long you need to provide availability to your business.

Our new cable managers allow clean and neat organization of cables, minimizing the time to troubleshoot network issues and repair/replace damaged cables.

With a portable cooler in the room, you can ensure the temperature is just right for the equipment.

Solution

Benefits



- > Portable cooling unit for server hotspots
- > Simple racks that allow for increased airflow
- > Adaptable cable managers allow for multiple device organization
- > Proactive notifications keep the right people notified
- > Mixed voltage for mixed equipment

Target Segments and Applications

> Server Rooms

> Enterprise branch offices

> Network Closets

> Recently Consolidated Equipment

> Low Cost Solutions



Vertical cable managers maintain organized cables and simplify cable routing and installation.



A 4 post open frame rack can be a simple way to keep equipment organized and off the floor. Our solution includes additional cable managers which attach to the sides and in between racks to form an organized row to accommodate both servers and networking equipment.





A portable cooling unit is an easy way to keep equipment cool without any change to your buildings HVAC or ventilation system. Our system vents hot air into a drop ceiling and can even evaporate the condensed water.

Bill of Materials

NetShelter 4 Post Open frame rack	(2) AR203A
Smart-UPS Online 5kVA	SURTD5000RMXLI
Smart-UPS Extended Run Battery Pack	SURT192RMXLBP
Switched Rack Power Distribution Unit	AP8959
rPDU Mounting Bracket	AR8652
Vertical Cable Manager	AR8441A
Horizontal Cable Manager	AR8600
Portable Self-Contained Cooling Unit	ACPSC3000

Solution Attributes

Rack Equipment Capacity	78U (2 racks)
Power Capacity	5kVA (3.5kW)
Power Output Voltage	230V 50Hz
Total Available Power Outlet Types <i>(this attribute includes all outlets in the solution, and accounts for outlets used by powered solution components)</i>	(29) IEC 320 C13  (4) IEC 320 C19 
Connection Type for UPS	HW 3 wire (1PH+N+G)
Runtime as Configured at Full Load	31.5 minutes (incl. 1 battery pack)

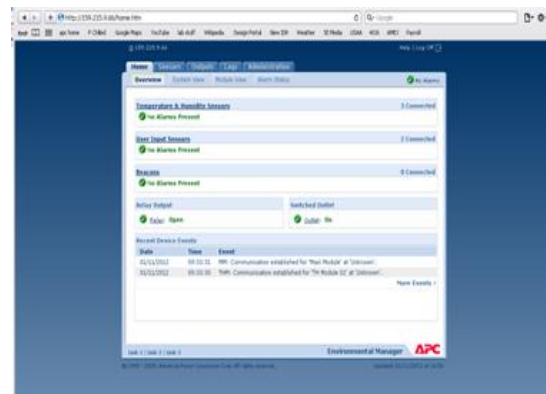
Additional Details & Options

For networking applications, a threaded hole rack can make installation of devices faster. Consider the AR204A for threaded hole applications or preference. The solution above includes our square-hole rack since we expect it to be used for mixed IT equipment.

Video surveillance of server room spaces can help piece together the facts when things go wrong, as well as provide eyes and ears in a remote room. This solution can be upgraded to include our any of our Netbotz surveillance and monitoring components:

-Rack Monitor (Environment Only)	NBRK0201
-Rack Monitor (Video Surveillance)	NBRK0551
-Camera Pod (Requires NBRK0551)	NBPD0160
-Door Sensor(Add to rack monitor)	NBES0303
-Leak Sensor (Add to rack monitor)	NBES0308

More Netbotz sensors and options are available, please visit at <http://www.apc.com> for more info.



Remote management of this solution requires the use of one network port and IP address. This solution allows control of the UPS, monitoring of temperature, humidity & proactive notifications and warnings for power issues, outages, and even battery life. Explore the user interface and options at <http://testdrive.apc.com>