

# Installing IT equipment into tight spaces.

## Challenge

“I don’t control where my networking equipment goes, and often deal with tight corners and small closets.”

### 2 post racks offer slim and secure mounting of IT equipment

2 post “telco” racks have long been the standard in the networking world. These simple racks allow slim installation of networking devices that are not very deep.

By adding a short depth UPS system and security cameras, your network closet becomes a place that you can manage from your desk.

We know that IT managers are often managing between 50 and 500 of these small, tight spaces. We have taken what was once a manual process of touring around with a clipboard to one simple interface with all of the data and control at your finger tips.

We understand that you can’t always choose where networking equipment is installed. Using shared spaces, broom closets or odd shaped rooms is common practice, making it difficult to maximize the small space available. Flexible solutions mean making the best use of space, no matter the shape or square footage.



> Remotely manageable power outlets

> Simple, cost effective racks

> Monitoring and camera options to give you eyes in the room

> Flush mounted equipment capabilities

> Cable manager fingers at each U space.

> Mixed voltage output for 120V and 208V mixed equipment.

# Target Segments and Applications

- > Network Closets
- > Enterprise branch offices
- > Retail stores
- > Telecom Rooms
- > Phone Systems

When it comes to standard networking and telecom applications, our solutions address the main issues with these often tight, out of the way spaces. Managing cables becomes critical to reducing troubleshooting time and keeping the space neat and clean. Our cable managers can bolt onto existing racks or be integrated into an APC 2 post rack.

Flexible solutions that allow for quick scalability are important, but so are costs. We have designed a simple solution that is both cost effective, and adaptable for any sized room.

Knowing what is happening in these critical spaces can mean having eyes on the equipment, doable with our Netbotz scalable rack and room monitor solutions.



Suggested application of the solution components shown here with network cabling and devices installed



Vertical cable managers maintain organized cables at each u space and simplify cable routing and installation. 6 inch depth cable fingers can accommodate 50+ cat6 cables



## Bill of Materials

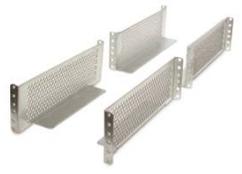
Smart-UPS Online 5kVA	SURTD5000RMXL3U
208v to 120v Step-down Transformer	AP9627
NetShelter 2 Post Rack	AR201
Vertical Cable Management Tower	AR8615
Switched Rack Power Distribution Unit	AP7930
Horizontal Cable Manager	AR8606
Netbotz Monitoring & Surveillance	NBRK0551
Portable Cooling Unit	ACPSC3500

## Solution Attributes

Rack Equipment Capacity	37U
Power Capacity	5kVA (3.5kW)
Power Output Voltage	208v & 120v
Total Available Power Outlet Types <i>(this attribute includes all outlets in the solution, and accounts for outlets used by powered solution components)</i>	(1) L6-30R (2) L6-20R (3) L5-20R (23) 5-20R
Connection Type for UPS	L6-30P
Runtime as Configured at Full Load	6.3 minutes

# Additional Details & Options

Center-mounting UPS and other heavy equipment can help distribute the weight in a 2 post rack environment. The AP9625 rail kit can be used to center mount equipment in the rack.



This solution can be configured for longer runtime on battery by adding additional 3U battery packs: SURT192RMXLBP3U

Camera Pods are a great way to increase security in a critical networking space.



The Netbotz rack monitor 550 will support up to 4 USB camera pods shown above: NBP0160

Netbotz rack monitor 550 management solution requires the use of one network port and IP address. This solution allows monitoring of room temperature and is expandable to 4 cameras and up to 78 universal sensors such as door sensors and leak and smoke detectors. Explore the user interface and sensor/ camera options at <http://testdrive.apc.com>