



Dynamic Concepts, Inc. Keeps Server Room Cool with Tripp Lite



SUMMARY

Customer

Dynamic Concepts, Inc. provides engineering and software services for government and commercial applications.

Goal

Keep small server room with no proper cooling system cool while maintaining adequate security.

Solution

Portable Air Conditioning Unit

- SRCOOL12K

Remote Cooling Management Module

- SRCOOLNET

Results

Server room kept cool with no heat-related issues affecting IT equipment. Temperature monitoring over the network and the ability to remotely change cooling settings from any location now possible due to Remote Cooling Management Module.

“ Since installing Tripp Lite’s portable AC units, the temperature of the server room has been well-maintained for years.

—Bryan Doe
IT Manager, Dynamic Concepts, Inc.

Customer

Based in Huntsville, Alabama, Dynamic Concepts, Inc. (DCI) provides engineering and software services for government and commercial applications. The company is deeply involved with several NASA projects, including its new rocket, the Space Launch System (SLS).

Goal

As the IT Manager for DCI, Bryan Doe’s duties include maintaining optimal temperature and humidity for IT equipment and keeping it secure. When the company’s IT requirements were modest, this was not a problem, as the two servers they had didn’t generate much heat and the security risk was low. But, as time went on, DCI’s IT equipment grew to a fully loaded rack with servers, UPS systems, switches and a phone system. “There was simply too much equipment to leave the server room unlocked and for those of us nearby, it was loud,” explained Doe. “Closing the door was not an option because temperatures would skyrocket. We

needed to keep the room securely locked without overheating the IT equipment.” Doe initially sought to install a dedicated cooling unit. But at nearly \$10,000, this was not a viable option. He needed to find a more cost-effective alternative.



After looking at several portable options, ranging from inexpensive hardware store models to high-priced models from big IT manufacturers, he found a unit that had the features he needed—the SRCOOL12K portable AC unit. It was reasonably-priced, made to run constantly in the demanding environment of a small server room, and it took care of another problem Doe was facing, condensation. On top of other issues with the server room, there was no drain in or near the

room. Tripp Lite’s SRCOOL12K unit eliminates condensation through the exhaust stream, so there is no need for drainage installation. All the other portable cooling options he looked at either required drainage pipes to be installed or had a water collection tank that would need to be emptied several times a day.



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Solution

SRCOOL12K Portable Air Conditioning Unit

- 12,000 BTU of cooling power
- Zero-maintenance design expels condensate through exhaust air—no water collection tank to empty or drainage to install
- Ducted vent directs cold air where most needed; standard louvered vent provides general cooling
- Programmable with built-in timer for unattended startup and shutdown
- Uses a standard 5-15R outlet; no adapter or electrical work required
- Auto-restart feature retains system settings and returns unit back to its last operational state after AC power is restored



SRCOOLNET Remote Cooling Management Module

- External SNMP/Web management accessory card module for use with the SRCOOL12K or SRXCOOL12K Portable Air Conditioning Unit
- Enables remote monitoring and management of cooling via a browser and Web access
- Allows users to monitor temperatures, receive alerts, review logs and control settings
- Simple installation and setup



Results



“We purchased an SRCOOL12K and were so pleased with it, we added a second one a few months later.” said Doe. Installation was easy, as all he had to do was plug it into a standard outlet, vent it, and let it run. “The installation alone saved us around \$8,500 compared to a dedicated unit.” explained Doe. He has since acquired a third unit with an SRCOOLNET Remote Cooling Management Module. The module allows remote monitoring and management of the SRCOOL12K, a feature Doe had been looking for.

“Adding the remote management was simple. I was able to find it on the network and log in very quickly,” said Doe. “In one page I can get information on the temperature of the room as well as the cooling unit itself.” Doe can now keep an eye on the server room temperature, receive alerts and change settings from the comfort of his office.

“Since installing Tripp Lite’s portable AC units, the temperature of the server room has been well-maintained for years.” said Doe. That experience left a lasting impression on him. “The SRCOOL12K was my first Tripp Lite product. After using them, I was so pleased that when the time came to buy a new rack, I went with Tripp Lite.”



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