



Tripp Lite Keeps VoIP Network at Andover Public Schools Up and Running

SUMMARY

Customer

Andover Public School District 385 consists of two high schools, two middle schools, six elementary schools, 5,000 students and 700 faculty and staff.

Goal

Protect the VoIP network from downtime, damage and data loss caused by power outages.

Solution

Tripp Lite UPS Systems

- SU10000RT3U
- SU10000RT3U2TF
- SMART1500RML2U
- SMART2200RML2U

Power Distribution Units

- PDUMH20AT

Web Management

Accessory Cards

- SNMPWEBCARD

External Battery Packs

- BP240V32
- BP36V42-3U
- BP48V24-2U
- BP48V60RT-3U

Results

Zero downtime and complete protection for the district's VoIP network.

Customer

With two high schools, two middle schools and six elementary schools, Andover Public School District 385 is the second-fastest growing school district in Kansas. Located 15 miles east of Wichita, it has approximately 5,000 students and 700 faculty and staff.

Goal

After Andover Public Schools recently upgraded its voice and data communication system to VoIP, Technology Director Rob Dickson wanted reliable power protection for the servers and switches that connect the district's 900 IP telephones. His goal was total power protection for the district's mission-critical VoIP network from downtime, damage and data loss caused by power outages. In tandem with the VoIP project, Dickson also planned to provide his entire data center with long-term battery backup to assure continued operation in the event of a prolonged power failure.

"We configured every school in our district for VoIP so we'd finally have one unified system to support 900 telephones," Dickson said. "Before the upgrade, each school had its own different PBX digital phone system."

"Our communication system is critical for everyday operation of voice and data functions," Dickson continued. "Our IT group maintains approximately 42 servers in our Support Services Center. Any loss of power would cripple all voice and data functions in the district immediately."

Although the district had utilized APC products before the reconfiguration, Dickson did not choose APC's equipment to accomplish his goals. "All of our installed APC products eventually went down," he recalled. "With a newer, more complex VoIP network in place, we simply couldn't afford to risk expensive downtime for our voice and data systems!"

Following a reseller recommendation, Dickson spoke with Roger Eason, Tripp Lite District Sales Manager for the Mid-Central Region. He arranged for Eason to visit district headquarters, perform a free Power Audit and offer a solution. The presentation convinced Dickson that Tripp Lite could best meet Andover's need for a reliable and cost-efficient solution that would safeguard the district's VoIP system and data center.

Solution

PDUMH20AT Power Distribution Unit

- Provides 16 5-15/20R AC outlets (8 front/8 rear)
- Includes digital current meter to track load conditions
- Maintains power to critical loads with automatic transfer switching



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continued

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Results

Zero downtime and complete protection for the district's VoIP network.

SmartPro® Advanced Line-Interactive UPS Systems SmartOnline™ Single-Phase True On-Line UPS Systems External Battery Packs

- Protect servers from the harmful effects of blackouts, brownouts, overvoltages and line noise
- Provide battery backup power to ensure continued operation of vital VoIP system, enable data saves and facilitate orderly system shutdown
- Enable battery backup capacity to be increased as needed with additional external battery packs
- Assure complete power network management and control with communication ports and included PowerAlert software

SNMPWEBCARD

- Enables UPS to be remotely controlled as a managed device on the network
- Provides remote viewing of site electrical data, UPS self-test and alert logs, electrical problems and more via Web interface
- Permits remote reboots of locked devices without interrupting power to other loads

Results

Rob Dickson achieved his goal of protecting Andover Public School District 385's VoIP network and data center: The district has experienced zero downtime since the Tripp Lite solution was installed.

Soon after the Tripp Lite UPS Systems and external battery packs were installed in the Support Services Center and the individual schools, a severe storm destroyed a transformer on the district's power grid. During the resulting blackout, Tripp Lite UPS Systems and batteries provided clean, reliable power to the Support Services Center. With more than eight hours of battery backup time available, vital servers and switches stayed up and running. "When the storm hit, Tripp Lite power protection saved Andover from crippling network downtime," Dickson said. "Even though the storm took out a transformer, the servers were unaffected. Both our VoIP system and the rest of our network continued to work perfectly!"

"The best indication of a smooth-running network is when nothing happens. By that I mean no outside activity or disruptions at all," Dickson concluded. "We've used other products in the past and they failed to protect us. The Tripp Lite solutions have performed flawlessly for the district!"