



A+ For Tripp Lite

From Concordia University Texas

Zero Network Downtime—Lower Cost



SUMMARY

Customer

Concordia University Texas is a private, coeducational liberal arts institution with 2,200 students, 120 faculty members and 80 staff members at four campuses: Austin, Fort Worth, Houston and San Antonio.

Goal

Protect the servers on the university's new network from downtime, damage and data loss due to power outages.

Solution

Tripp Lite UPS Systems

- SU30K3/3XR5
- SU5000RT3UHV

Power Distribution Units

- PDUMV30HV

Web Management

Accessory Cards

- SNMPWEBCARD

Internal Battery Packs

- SURBC2030

External Battery Packs

- BP240V10RT3U

Results

Zero downtime and complete protection for the university's new servers despite numerous power outages.

Customer

Concordia University Texas is a private, coeducational liberal arts institution with 2,200 students, 120 faculty members and 80 staff members at four campuses. The university's main campus is located in Austin, with additional campuses located in Fort Worth, Houston and San Antonio.

Goal

When Concordia relocated its main campus, more than 40 new routers and switches were purchased to complement the university's existing 25 servers. DeWayne Mangan, Concordia's Director of Information Systems, set a goal to protect this upgraded network from downtime, damage and data loss due to power outages.

"Protecting the integrity of our network at the university's former location was difficult," Mangan noted. "Our old servers only used a few UPS systems here and there. In fact, some switches had no protection except for a surge suppressor. Due to lack of space, we just didn't have the capacity to successfully handle a large network."

At the new main campus location, where one unified network handles every application vital to the university, Mangan and his IT team shouldered primary responsibility for many of the day-to-day operations of Concordia University Texas. These included on-line classes, student data, an Internet Protocol (IP) phone system, door access control, security cameras, environmental controls and HVAC.

Mangan knew that a power outage could easily bring university activities to a sudden and expensive halt. "Virtually every application at our new location was now being handled by our network servers," he explained. "Power failures were simply not an option!"

Determined to find a reliable, cost-efficient power protection solution, Mangan contacted Julia Trujillo, Tripp Lite District Sales Manager for Central Texas. Having worked with her previously, he felt confident that Tripp Lite could meet Concordia's needs. The Tripp Lite solution offered by Trujillo fully met Mangan's technical requirements and was priced approximately 10% lower than that of the nearest competitor, APC.

Solution

Tripp Lite installed 27 SmartOnline™ UPS Systems (Models SU30K3/3XR5, 2 each and SU5000RT3UHV, 25 each), along with an equal number of Web Management Accessory Cards (Model SNMPWEBCARD) and Power Distribution Units (Model PDUMV30HV).

PDUMV30HV Power Distribution Unit

- Provides 38 total outlets in two separately breakered and metered 15A load banks, each with 3 C19 and 16 C13 outlets
- Dual current meters enable power consumption monitoring to ensure proper load balance in redundant power applications and prevent UPS or PDU overloads



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continued



CASE STUDY

SUMMARY

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SmartOnline True On-Line UPS Systems

- Protect servers from the harmful effects of blackouts, brownouts, overvoltages and line noise
- Convert incoming AC power to DC, and then reconvert it back into full-time, pure sine wave AC output
- Provide battery backup power to ensure continued operation of vital systems such as VoIP and door access, enable data saves, and facilitate orderly system shutdown
- Offer expandable runtime with optional external battery packs, enabling capacity to be increased as requirements evolve
- Communication ports and included PowerAlert Software provide complete power network management and control

SNMPWEBCARD

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

Results

Soon after the new Tripp Lite UPS Systems were installed, Concordia was hit by a major power outage, caused when a squirrel damaged critical electrical equipment. Thanks to Tripp Lite, however, Mangan and his team had almost two hours of battery runtime available—more than sufficient to keep the network up and running. And despite several subsequent power outages averaging between 60-90 minutes, Concordia University Texas has experienced zero network downtime—strong evidence of the reliability of Tripp Lite power protection solutions.

"I believe that Tripp Lite power protection solutions are easy, straightforward and focus on the user," Mangan said. "Not only were Tripp Lite products significantly less expensive than APC's, they delivered a highly reliable power protection solution that has kept our vital network up and running and completely safeguarded from power outages."

Mangan adds that he feels more comfortable working with Tripp Lite than he did with other UPS manufacturers, such as APC. "Tripp Lite shares Concordia's philosophy of helping one's self," he explained. "They make it easier for institutions like us to safely and effectively maintain our network equipment to run at peak efficiency. And unlike other manufacturers who try to lock a customer into a service contract, which often means trying to sell an additional, needless solution solely for maintenance, in this case we felt no pressure about purchasing any type of service contract. Concordia University Texas is thoroughly pleased with Tripp Lite!"



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