



## Plainfield Community School District Trusts Tripp Lite to Connect and Protect Its Expanding Network

### SUMMARY

**Goal :** *For the Plainfield Community School District to purchase a complete network power protection and management solution that provides reliable support for the critical network equipment and data of three schools, while saving purchasing, installation and maintenance costs.*

**Solution :** *Tripp Lite SmartOnline™ 1500VA Intelligent True On-Line UPS Systems (model: SU1500RTXL2Ua); SNMP Web Cards (model: SNMPWEBCARD); Isobar® 1U Rackmount Surge Suppressors (model: ISOBAR12ULTRA); 1U Rackmount Power Strips (model: RS-1215-RA); Tripp Lite Category 6 Patch Cables (model: N201-Series).*

**Results :** *100% availability of mission-critical network equipment and data; Return on Investment (ROI) of thousands of dollars in avoided downtime, equipment damage and data loss; reduced installation and maintenance costs.*

The Plainfield Community School District 202 (PCSD) relies on its vast network infrastructure to support its growing number of administrators, faculty and students and to ensure the optimal educational productivity of the school district. Like most school districts around the country, PCSD is under tight budgetary constraints, so being fiscally responsible is of utmost importance. So when it came time to purchase a reliable, cost-effective power protection and connectivity solution as a key component to three new local networks, PCSD chose Tripp Lite to protect and support its new networks from costly network downtime, equipment damage and data loss. Tripp Lite was the clear choice when it came to the best price and performance when compared to competing power protection manufacturers.

"We went with Tripp Lite because their products cost less but offered features you'd find on more expensive competitor models," stated Russell Moore, PCSD's Network Manager. "Overall, Tripp Lite offers better products at a lower price."

### About Plainfield Community School District

The Plainfield Community School District 202 (PCSD) is a 64 square-mile Illinois public school district serving the communities of Plainfield and parts of Joliet, Naperville, Romeoville, Bolingbrook, Shorewood, Will and Kendall counties, located approximately 35 miles southwest of Chicago. PCSD consists of 30 buildings with over 29,000 students and 3,100 staff members. PCSD is experiencing a huge growth spurt, taking the school district (with a combined total of more than 30,000 students and staff—equivalent to a major university campus) to an estimated 60,000 students and faculty in 55 buildings by 2020.

### The Goal: Reliability, Expandability and Affordability

Growth is what defines the Plainfield Community School District, and Moore is responsible for ensuring that the school district's expanding network—including such equipment as phones systems, servers, alarm systems, patch panels, routers, PCs and wireless connections—can support it. If the network were to go down, PCSD would face consequences that would severely hinder the educational productivity of the school district.

"We serve one of the fastest-growing communities in the nation," said Moore. "It's imperative that our network is consistently functional and productive. We simply can't afford downtime, equipment damage or data loss."

Previously, PCSD relied on APC UPS systems and Panduit cabling to protect and connect its network. This time around, Moore chose Tripp Lite to play an integral role in the improved network power protection and connectivity plan.

### The Solution: Tripp Lite—A Trusted Leader in Reliable Power Protection and Connectivity Solutions

The Plainfield Community School District recently upgraded the local networks of three schools and chose Tripp Lite products to protect and support the critical equipment and data that administrators, faculty and students rely on to keep PCSD running efficiently.

"We rely on Tripp Lite's SmartOnline™ SU1500RTXL2Ua UPS Systems to protect the network equipment, and Tripp Lite Surge Suppressors to protect and distribute power from the UPS to individual devices," said Moore about the new setup. "Plus, Tripp Lite Category 6 cabling is used for all the network patch connections in the MDFs and IDF's."



*Moore relies on his networks to provide each school with the data, security and support necessary to ensure a productive educational environment.*



*Model: SU1500RTXL2Ua*

The SU1500RTXL2Ua is a 1500VA on-line UPS System designed to safeguard critical servers and network equipment from all power problems, including prolonged blackouts, through a double-conversion process. It converts "dirty" incoming AC power to DC, and then reconverts output back into full-time sine wave output. That cleaner output helps protect and extend the life of PCSD's network equipment. It also protects equipment from line noise and regulates overvoltages up to 138V and brownouts to 65V without using battery backup, so equipment gets continuous, converted power in all conditions. In addition, the UPS removes harmonic distortion, fast electrical impulses and frequency variations, a feature usually found only on more expensive systems.

Each UPS system was fitted with an SNMP/Web card so Moore and his staff can manage and control power remotely. Tripp Lite's PowerAlert Software allows Moore and his team to control multiple UPS systems from a centralized location. Each UPS is expandable with an optional battery pack, so the systems can grow along with the network—and the district. Tripp Lite's Category 6 cabling provides PCSD with faster data transmission speeds and supports a wide variety of applications. Tripp Lite Power Strips, including the RS-1215-RA 1U rackmount model, provide reliable AC power distribution in a variety of styles with versatile mounting options.

Plus, Tripp Lite Surge Suppressors defend against damage from power surges, spikes and line noise.

"We liked that Tripp Lite Surge Suppressors come in many different sizes and configurations," said Moore. "This gave us the flexibility to adapt to different power protection requirements throughout our network infrastructure."

### **The Results: 100% Availability, Substantial ROI and World-Class Service and Support**

Overall, the constant availability, flexibility and scalability of PCSD's network means faculty and administration can productively focus on increasing the quality of education for PCSD students.

"Tripp Lite's been a tremendous partner throughout this process, with great service and reliable support," said Moore. "PCSD's vision is to prepare students for the future, and we've committed to optimizing district resources to fulfill this vision. For me, that means ensuring our network stays up and productive through all power problems. That's where we rely on Tripp Lite."

### **Featured UPS Systems:**

#### **SmartOnline Intelligent True On-Line UPS Systems**

SmartOnline UPS Systems utilize true on-line operation to completely isolate connected equipment from all power problems, including subtle harmonic distortions—a level of power protection technology usually only available on much larger, more expensive competitor models.

- The highest level of protection against damaging blackouts, brownouts, overvoltages, surges and line noise
- Tower and rack/tower models with 750VA to 10kVA capacities (3-phase models also available up to 30kVA)
- Expandable runtime with optional external battery packs
- Included PowerAlert Software provides complete network power monitoring and management (typically not included on competitor models)
- Hot-Swappable Modular models enable zero downtime UPS maintenance/replacement
- 3-Phase models offer the highest level of power protection for mission-critical equipment



Model: ISOBAR12ULTRA



Model: RS-1215-RA



Model: Category 6 Patch Cables

### Also Featured:

#### Isobar® 1U Rackmount Surge Suppressors

- The #1 premium surge suppressor with over 16 million sold
- Reliable protection against surges, spikes and line noise
- Exclusive isolated filter banks eliminate interference between connected equipment
- Up to 12 outlets and 1280 joules of surge absorption protection
- Indestructible all-metal housing stands up to the toughest environments
- All models fit in standard 19" rack space

#### 1U Rackmount Power Strips

- Dependable AC power distribution wherever needed
- Sturdy metal housing stands up to demanding environments
- 1U rackmount housing with front and rear outlet configurations
- Up to 12 outlets can distribute power throughout an entire system
- All models fit in standard 19" rack space

#### Category 6 Patch Cables

- A variety of patch cables, patch panels, bulk cables and more
- Available in Category 6/6e, 5/5e and 10 GBase CX4
- High-speed data transfer rates (up to 10 Gb)
- A variety of lengths and colors
- Shielded, snagless and retractable designs



Powering and Connecting  
Your World

For more  
information contact:

Tripp Lite  
World Headquarters  
1111 W. 35th Street  
Chicago, IL 60609  
(773) 869-1111  
tripplite.com