Manage your K-12 power infrastructure smarter with Eaton

As an IT professional in a K-12 school, educators and students rely on your network and technology to learn and grow in a safe, modern classroom setting. Having time to focus on future planning and new technology adoption is critical but not likely since your day is usually consumed with fighting fires. When given the opportunity to enhance the lives of the faculty or students, your value as an IT professional fully materializes. Achieve your career goals and allow for more of these game-changing opportunities through Eaton's smart power management capabilities that alleviate key IT roadblocks.

If given the time, you could focus on things like:
- ✔ Improving documentation
- ✔ Teacher training
- ✔ Enhancing learning processes
- ✔ Automation
- ✔ Single sign-on
- ✔ Bolstering wireless capabilities

Some of the challenges you may face preventing you from advancing these technologies include:
- ✔ Budget constraints
- ✔ Lack of time
- ✔ Not enough staff or support
- ✔ Downtime
- ✔ Slow adoption by faculty

Eaton's power management solutions will save you time, money and reduce your risk of downtime, allowing you to create a highly available network that enriches the educational process and empowers teachers through instant and continuous access to technology.

Save time
by remotely and automatically remediating power issues

Save money
by avoiding costly downtime and data loss

Reduce risk
by implementing a disaster avoidance plan
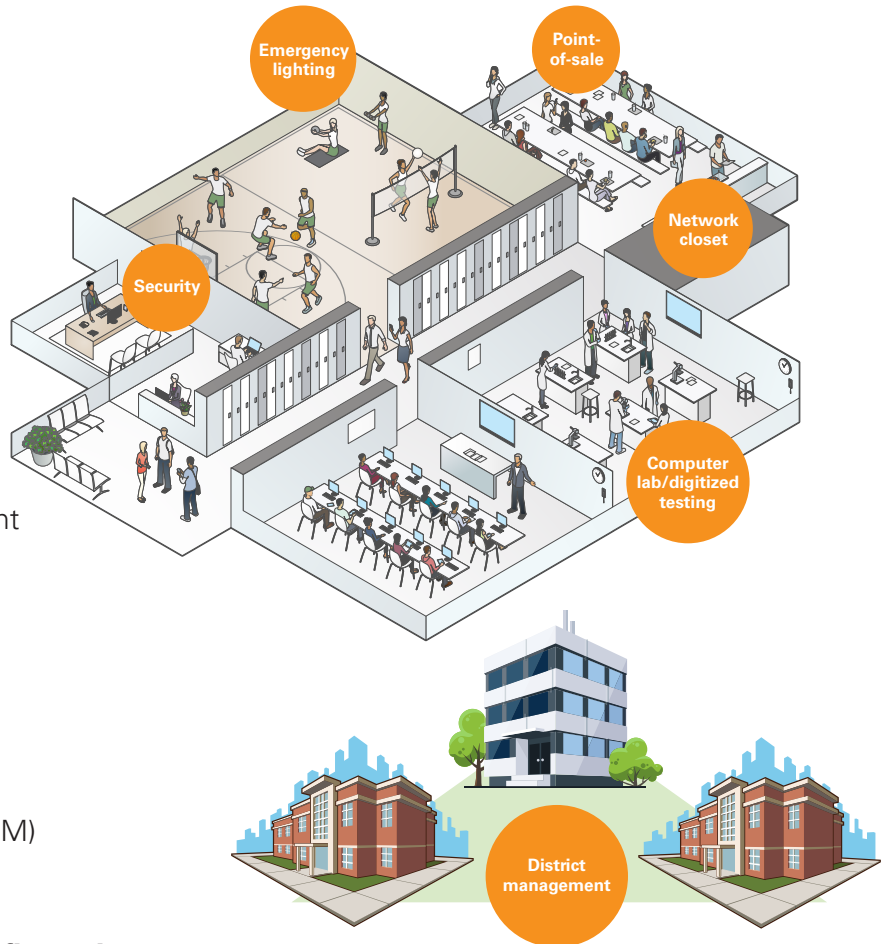
EAT•N
Powering Business Worldwide

Eaton solutions are E-Rate category 2 eligible

Powering infrastructure where it's needed

IT networks and the power management devices that keep them running are the backbone of today's K-12 environments. Students, faculty and staff rely on being able to access information—from updated records to researching a science fair project— when they're in the classroom and at home. Put simply: downtime just isn't an option.

Eaton can ease your day-to-day workload by offering reliable, efficient and safe power management solutions that organize, protect and manage your environment. Our goal is to ensure that your networks and connected equipment remain available in your "always-on" environment so you can concentrate on the things that matter most to you. Areas within your district that we can help include:

- **Security:** Safeguard bell systems and cameras with locking wall mount enclosures and a 5PX UPS (uninterruptible power supply)

- **Emergency lighting:** Keep the lights on even when the power isn't with our UL 924 certified emergency lighting UPS options

- **Point-of-sale:** Protect cafeteria transactions with a 5SC UPS

- **Network closet:** Reduce clutter and improve remote monitoring and management with a two-post rack, cable management, 9PX UPS, intelligent ePDU G3 (rack PDU) and Intelligent Power Manager (IPM) software

- **Computer lab/digitized testing:** Avoid unplanned disruptions with a 3S UPS

- **District management:** Remotely monitor and manage entire district with Visual Power Manager (VPM)

Eaton offers a wide range of solutions. Consult your local sales person for configurations.

Organize
Keep servers, switches and storage safe and secure with:

- Open-frame racks
- Wall-mount enclosures
- Full enclosures with locking doors
- Basic rack PDU

Protect
Provide clean, reliable and redundant power with:

- Rackmount UPS
- Extended battery module
- Maintenance bypass module
- UPS service

Manage
Monitor, control and automate your power infrastructure with:

- Intelligent Power Manager
- Visual Power Manager
- Intelligent rack PDUs
- Enviornmental monitoring probe

Eaton offers two power management software platforms that help you manage smarter

VPM and IPM together create a robust power management solution that through IT platform integrations can monitor and automate risk mitigation actions, keeping your district running at full capacity.

When we say our software integrates, we mean it!

"Everyone says their software integrates into VMware, but when challenged and asked to demonstrate in house, they couldn't do it. Eaton was the only one who could deliver that."

Tom McNinch, Washington Unified School District IT manager

Visual Power Manager

Monitor with VPM

VPM excels at remotely monitoring large and distributed deployments of power devices and is ideal for monitoring a school district. The easy-to-use, visual interface provides a live floorplan view with alarm notifications for up-to-the-minute health status on your power infrastructure.

Use VPM to monitor power in your schools and administration buildings to better visualize your power infrastructure and take action as needed to maintain continuous uptime of your critical applications.

- ✔ Visual floor layout with alarm notifications help to quickly identify power issues
- ✔ Rack builder eases asset management and new equipment deployments
- ✔ Custom reporting allows you to deliver intelligent reports to administration
- ✔ Multitenancy user access control allows you to set access levels per user, building or area
- ✔ Integrates with mixed vendor environment
- ✔ Control PDU outlets and UPS load segments to remotely power on, off and reboot hung equipment
- ✔ Instill system confidence with failover and capacity analysis and simulations
- ✔ Flexible licensing options to meet your budgetary needs

Intelligent Power Manager

Automate and control with IPM

IPM is an on-site policy-based automation software platform that triggers advanced remediation actions —shedding non-critical workloads to extend battery runtime—during a power event to ensure that critical equipment remains running as long as possible.

In other words, IPM automatically takes action when it notices something awry—once configuration and action policies are set, IPM does the work. This increases uptime and saves time and money by allowing you to remotely solve power issues.

- ✔ Shutdown, suspend, power on/off and migrate individual or groups of virtual machines (VM)
- ✔ Extend battery runtime by suspending non-critical VMs and servers
- ✔ Safely shut down and securely restore high-availability environments without crashing VMs or host server
- ✔ Trigger VMware Site Recovery Manager during power event to avoid data loss
- ✔ Regulate rack temperature and other environmental issues
- ✔ Reduce physical infrastructure costs and space by needing less external battery modules to achieve the same runtime
- ✔ Manage Eaton and third-party power devices
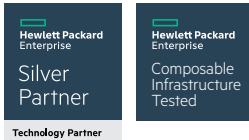
Integration where it matters

Virtual desktop integration for blended learning. Increased security footprint. Expanded mobile access. All of these changes expand your virtual infrastructure. To help provide a more unified, resilient IT architecture, Eaton works with top IT vendors.

VMware Technology Alliance Partner
- Eaton's IPM and Infrastructure Management Pack for vRealize Operations Manager are VMware Ready for Orchestration and Management

Eaton.com/VMware

HPE Technology Alliance Partner
- Eaton's IPM integrates with HPE OneView unified API for simplified power management of Composable Infrastructures and Integrated Infrastructures
- IPM, rack PDUs and UPSs are Composable Infrastructure Tested
- Reference design and joint solution brief for HPE solutions, including Converged and Hyper Converged Infrastructures

Eaton.com/HPE

Cisco Solution and DevNet Partner
- Eaton's IPM integrates directly with UCS server management to provide power-capping capability, enabling users to extend runtime by setting server consumption limits during extended power outages
- White paper, reference designs and solution overview for Cisco solutions including Integrated Infrastructures

Eaton.com/Cisco

Dell EMC Technology Connect Advantage Partner
- Eaton's IPM, rack PDU and UPS are VCE Vblock Ready certified
- Published VxRail, VxRack reference designs, solution overview and joint solution brief

Eaton.com/EMC

NetApp Alliance Partner
- Eaton's IPM integrates directly with NetApp ONTAP operating systems to provide supervision and shutdown capability for FAS storage systems
- Eaton rack PDUs are included in all FlexPod Modular Integration (FMI) systems
- Reference designs and joint solution briefs for FlexPod systems

Eaton.com/NetApp

Nutanix Technology Alliance Partner
- Eaton's IPM, enclosures, rack PDUs and UPSs are Nutanix Ready
- Reference design and joint solution brief for Nutanix hyperconverged infrastructures

Eaton.com/Nutanix

Microsoft Hyper-V Alliance Partner
- Eaton's IPM integrates with Microsoft Hyper-V to allow for improved load shedding capabilities and provide remote agentless shutdown and maintenance mode initiation

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