

SOLUTIONZ

POE, SMART PDU, UPS, & SOLUTIONZ RMM



Why Power Architecture Matters

Most AV system failures are caused by power instability, frozen devices, and network issues. Traditional power designs require on-site visits for simple resets, resulting in downtime, frustration, and high support costs.

Solutionz's approach combines PoE, Smart PDUs, UPS systems, and RMM into a single, intelligent power ecosystem to solve these system failures.

Power over Ethernet (PoE): Foundation of Smart AV

PoE delivers power and data over a single network cable, enabling centralized management and remote control.

Key Benefits

- One cable for power + data = faster, cleaner installs
- Eliminates wall warts and external power supplies
- Enables remote power cycling of AV devices
- Simplifies standardization across rooms and sites

Ideal For

Cameras, microphones, touch panels, controllers, sensors, and other low-voltage AV devices.

Business Impact

- Faster issue resolution
- Lower installation and maintenance costs
- Improved system reliability

Smart PDUs: Full Rack-Level Control

Smart PDUs extend remote management beyond PoE devices to all rack-mounted AV equipment.

Key Benefits

- Individual outlet on/off control
- Power consumption monitoring
- Automated scheduled reboots built into devices – RMM feature coming soon.
- Surge protection and environmental monitoring

Controls Non-PoE Devices

Displays, DSPs, amplifiers, PCs, switchers, wireless presentation systems.

Business Impact

- Fewer on-site service calls
- Faster troubleshooting
- Proactive detection of failing equipment

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UPS: Protection, Continuity & Stability

UPS systems protect AV environments from outages, brownouts, surges, and dirty power.

Key Benefits

- Keeps critical AV and network gear online during outages
- Protects PoE switches, Smart PDUs, and RMM agents
- Enables graceful shutdown to prevent corruption
- Extends equipment lifespan

Business Impact

- Higher uptime for meeting rooms and classrooms
- Reduced hardware failure
- Improved user confidence in AV systems

Solutionz RMM: The Intelligence Layer

Solutionz RMM ties the entire power stack together, enabling visibility, automation, and proactive support.

Capabilities

- Real-time device and power monitoring
- Remote power cycling (PoE ports & PDU outlets)
- Automated alerts and health checks
- Standardized monitoring across locations

Business Impact

Most issues are identified and resolved remotely, often before users notice a problem.

Complete Power Ecosystem (How It Works)

- PoE Switch powers low-voltage AV devices
- Smart PDU powers and controls rack equipment
- UPS protects and sustains all power components
- Solutionz RMM monitors and controls IP accessible AV devices remotely

Together, they form a resilient, manageable, and scalable AV infrastructure.

Key Business Outcomes

- ✓ Reduced downtime
- ✓ Fewer onsite service calls
- ✓ Lower total cost of ownership
- ✓ Faster issue resolution
- ✓ Standardized deployments
- ✓ Improved customer satisfaction

Bottom Line

This is not just a power solution — it's a reliability strategy.

PoE + Smart PDU + UPS + Solutionz RMM delivers a modern AV ecosystem that IT teams trust, users rely on, and support teams can manage efficiently!

Send an email to RMM@solutionzinc.com to get started!

