e-Systems Group

Cabinets
Consoles
Services

Protecting Data Center Assets

Custom Products, Services & Configurations that Assist in Ensuring Uninterruptable Service in Mission Critical Environments

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Designing and manufacturing for mission critical requirements for 68 years, e-Systems Group has an established history for bringing custom configurations to the Data Center.

With headquarters in New York and another facility in Denver, we provide nationwide coverage.

Platinum 2 Cabinets
A Superior Standard Enclosure

- Modular component options to ensure the cabinet fits your Data Center's needs.
- Durable, lasting design with 3,000lbs capacity, even while moving via casters.
- Tool-less rail adjustment & cable management options for simple implementation.
- Industry leading front to rear airflow capacity.
- Range of accessories for blocking unwanted air movement.

P2 Server

- 24" Wide frame, various depths & heights.
- Ideal for low to medium density applications.

P2 Blade

- 30" Wide frame, various depths & heights.
- Medium to high density applications.
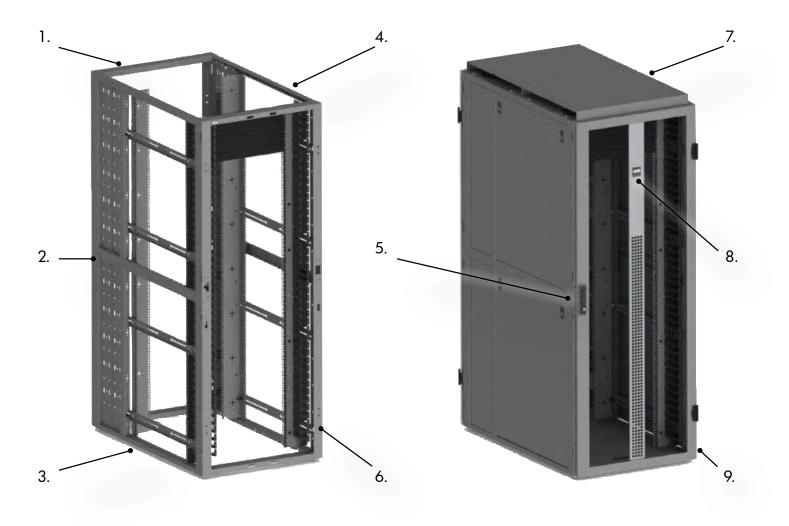- Ships convertible to 23" wide telecom mounting.

P2 Network

- 36" and 42" frame widths available.
- Sized for high density applications.
- Side to side airflow capable for Cisco Nexus installations.

Protect your servers, switches and other hardware with an enclosure that meets your specific requirements.

Shown: P2 Network, P2 Blade, P2 Server (from left to right).

All e-Systems Group cabinets incorporate leading edge design features.

1. 4. 7.

2. 5. 8.

3. 6. 9.

1. Fully customizable, modular cabinet system including cable management & airflow devices.

2. Extensive cable management options for easy access to, and organization of high-density fibre & copper cables.

3. Standard 42U, 44U & 48U heights - Custom sizes available.

4. Industry leading 3,000lbs static & dynamic load ratings.

5. Extensive access control options including keyed lock, RFID, HID card, Fingerprint Reader and Keypad.

6. Pre-installed cabinet components, PDUs, and integrated cable troughs - Reducing installation time.

7. 3rd Party IBC seismic certification (24" & 30" models).

8. Personalized options for custom cabinet branding for distinctive styling (powder coat finishes, company logos).

9. Pre-configured Intelligent cabinets with U-level device asset identification, inventory management and DCIM functionality.

MultiRack Cabinets

Proven Reliability for CoLo Environments

- Available in 2, 3, and 4 bay configurations.
- 24" width for most server and switching needs.
- 42" and 48" depths available to fit cable management & power distribution requirements.
- Secure, inter-compartment channels for CoLo infrastructure management.

Whether it be custom footprint, U space, specialized equipment, a preferred cooling choice, or cabling access, your options with e-Systems Group are wide open.

Custom Cabinets

68 Years of Custom Engineered Solutions

- Custom solutions available for low and high volume requests.
- In-house expertise in maximising Data Center space.
- Rapid drafting & rendering available for design collaboration with end-user.

Recent Customizations Include:

- 9' Tall enclosure for maximum use of floor space.
- Retrofit side to side airflow baffles.
- Integrated bus bar mounting.
- High density patch panel for mixed fiber/copper use.

Our power techicians help customers to design and choose their PDU solution.

Power Solutions

Customised Critical Power Expertise in Rack-Level PDUs

- Basic power distribution.
- Monitored strips.
- Switched & non-switched.
- Metered power, inline & other.
- Low profile breakers.
- Hot swappable.
- Smart/Switch.
- Integrated monitoring & management.

A multi-step process is used to uncover your specifc specifications.

KVM

KVM Technologies

High-Performance Analog and Digital KVM Appliances

- Award winning enterprise class KVM-over-IP switches.
- Secure BIOS-level access and control of your servers over LAN, WAN, Internet connection.
- Provides access and control to a specified number of multiplatform servers and serial based devices.

With a complete offering of the best of breed PDU & KVM's, we provide that experienced support that is readily available to you.

Protect your assets with the most effective thermal management technologies that optimize your cooling systems & drive efficiency.

Cabinet Containment

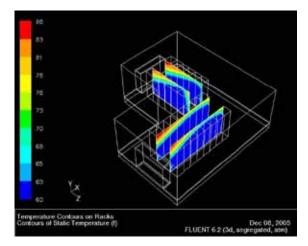Flexible Passive and Active Modular Cooling

- Contains and evacuates 100% of the heat - so there's no air mixing with the cool air.
- Maximizes efficiency while easily maintaining an ideal temperature throughout the Data Center.
- Rack based containment offers ultra-high density on a cabinet level up to 30kW.
- Maintains chiller plant efficiency with the highest possible return air temperatures.
- Eliminates makeshift solutions with expertly designed solution.

Aisle Containment

Energy Saving Hot and Cold Aisle Containment Systems

- Containment design and drawings.
- Fire marshal and insurance company review.
- ROI analysis.
- Utility rebate application and base-lining.
- Installation.
- Commissioning planning.

Thermal Analysis Services

Maximize Your Data Center PUE

- Standard: Thermal assessment report that presents improvements to your efficiency.
- Premium: Standard assessment plus a certified CFS analysis and review.

Lower your energy costs, increase the reliability of your equipment and enable added server capacity.

EZIBLANK® Blanking Panels

Modular and Easy To Install To Any 19" Rack

- 6U Blanking panel sheets.
- Snap at 1U intervals for optimum space.
- Tool-less design.
- Prevents hot air recirculation at the cabinet level.
- e-Systems Group is the U.S. distributor for EZIBLANK®.

Grommets & Air Blocks

KoldLok® Sealed Floor Grommet Accessories

- Leading range of raised floor grommets.
- Designed to effectively manage cable openings.
- A first step in improving airflow efficiency and reducing cooling costs.

Air Blocks
- Standard.
- Custom.

Quantum Air Tile

Patent-Pending High Performance Air Tile
- Directional vane controls route conditioned air supply to targeted enclosures for effective server cooling
- Passive design lowers cooling cost.
- Compatible with most steel tile floor systems.

Protect your assets by measuring and managing power and cooling at the rack level. e-Systems Group will provide both retrofit and at the factory installation.

At the rack level, the DCIM lets you know:

- Monitors power usage.
- Reports environmental values (temperature, humidity, pressure differential).
- Indentifies contents.
- Reports security status.
- Enables power cycling at the outlet level.
- Connects to a server via a KVM.
- Locks/unlocks the rack doors.

The integrated intelligent cabinet is delivered completely installed with DCIM and asset tracking.

Platinum 2 Cabinets

Pre-Configured Intelligence

- Intelligent rack management.
- Environmental, asset, access monitoring & control.
- U-level, rack, row, room & facility tracking.
- Dual smart CPU/PDUs.
- Electronic access control.
- Intergrated sensors.
- 81% High airflow mesh.
- Tablet/Keyboard "KVM" interface on door.
- Zone 4 seismic rating.

Your P2 Intelligent Solutions

- Each cabinet and related integrated technology components are factory tested and inspected.
- Your cabinet ships fully assembled, ready-to-use, from our factory in Conklin, NY.
- Installation services for cabinets and asset management commissioning / audits available.

Factory tested & commissioned, e-Systems Group delivers this next generation enclosure with all that you need to ensure a fully protected Data Center.

e-Systems Group's installation team will ensure full integration with your existing footprint and will bring all your enclosures up to the same level of intelligence for full monitoring & management.

Access Control

Modular Door Options Featuring The Latest in Security Technologies

- Real-time tracking of door access with remote monitoring and audit trail reporting.
- Various access options including Keyed Lock, RFID, HID card, Fingerprint Reader and Keypad.
- Access method field upgradeable without changing out original service door.
- Easy integration with standard rack monitoring and security systems.
- Minimal power consumption.

From the standard lock swing handle to sophisticated IP based access control, e-Systems Group seamlessly integrates the right lock solution that best protects your assets.

Select Your Modular Access Control Format

Swinghandle Multi-Point System

Proximity Reader

Keypad Access Controller

IP Access Control System

Know where your assets are at all times - both in and outside the rack. Protect them from theft and loss.

Asset Tracking

Accurate and Fast RFID Technology

- Rack, row, room and building discrete asset tracking.
- Measurable return on investment.
- Improved accuracy; assists in compliance requirements.
- Timely results.
- Misplaced devices can be located.
- Exceptions noted and resolved in real time.
- Prevents unauthorized movement of assets.
- Eliminates spreadsheets, non-value add costs.
- Integrated with DCIM system for total tracking.

e-Systems Group provides an independent audit in addition to your existing asset tracking or in place of.

Data Center Auditing Services

A Data Center audit is carried out by certified staff in compliance with Sarbanes–Oxley. An audit report details the process, findings and suggestions, and indentifies asset location and chain-of-custody.
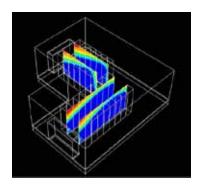
Standard Audit

- Data Center purchases the tracking system; our team commissions the assets.
- Training staff on how to verify the inventory.
- Follow up independent audit by our team.
- Complete report as to processes performed and the results found.

Premium Audit

- Using wireless tag and reader technology, our team commissions the assets and performs an audit of the Data Center on an agreed-upon periodic basis.
- Complete report as to processes performed and the results found after every visit.

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Our nationwide coverage provides a full line of services specifically designed to assist the Data Center.

Thermal Review & Installation

CFD Studies For New Construction and Remodels

- CFD Analysis.
- Hot Spot audit & removal.
- Aisle containment installation.
- Subscription program available to update future CFD modeling.

Raised Floor Inspection & Replacement

Innovative Live Equipment Floor Replacement

- Structural integrity reviews.
- No service interruption replacement.
- Sub-floor seal to control moisture absorption.
- Air blockage solutions to minimize airflow leaking.

Installation & Auditing Services

Full Turnkey Service and Manintenance Program

- Experienced and certified service team.
- On time, any time to meet requirements.
- Enclosure placement, ganging and inspection.
- DCIM and asset tracking commissioning.
- High quality, hi-tech service equipment.

Specialty Data Center Cleaning

Maintain The Health and Performance of Your Infrastructure

- Sub-floor, equipment & floor surface.
- Above ceiling.
- Post-construction.
- Disaster recovery.
- Zinc whisker identification, verification and remediation.
- Contamination removal.

What Our Customers Say...

"Choosing a manufacturer who is willing to be my partner over the long haul is vital. Many are willing to sell me a product but few are willing to follow through with service, creativity and responsiveness.

e-Systems has proved time and time again that they will do whatever it takes to help me achieve success with my clients. Their 'can do' attitude and desire to produce high quality American made products is unparalleled, and I can't imagine doing my job without them."

Reseller Partner
Colorado

"e-Systems Group helps us to win opportunities by supplying superior products that meet the needs of our customers. The e-Systems Group team assists by providing drawings, pricing and details in a timely manner so we can offer great service. Together we continue to grow."

Reseller Partner
Colorado

"Very professional and understanding of working within a 9-1-1 center. Willing to work around the ever-changing environment of our center all while the center was live and never missed a call. Thanks!"

PSAP Manager
Delaware

"We were working with our customers to come up with a rack solution that would satisfy the existing footprint of our old racks, but has the features and design that IT administrators would appreciate. The attention to detail and thoughtful design has made eSystems Group our choice when it came to a rack solution."
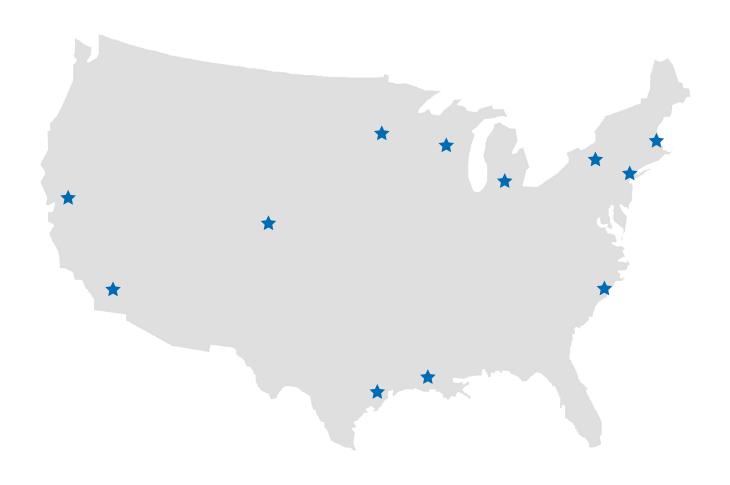
IT Systems Coordinator
Massachusetts

"The e-Systems Group Service team did a very professional job of cleaning our data center with no interruption of services at all. Would highly recommend them to other and will continue to use them at our organization."

Data Center Manager
Wisconsin

From inception to continuing operation, e-Systems Group provides the products and services that protect your assets and mission.

e-Systems Group Representation

★ Please contact Customer Service for the representative nearest you

e-Systems Group | Cabinets Consoles Services

Protecting Mission Critical Environments

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MADE IN THE USA