

TRUSTED SYSTEMS

Security Made Simple

Protecting the Nation's
Classified Networks



IPS SECURITY CONTAINER

Bringing the Classified Network to You

APPLICATIONS

Alternative to Facility Build-Out
or Closed Access Area (CAA)

SIPRNet Nodes & Cafes

Tactical/Deployable SIPRNet

Communications Closets

Wireless Access Points

Thin Client Workstations

Blade Clusters

Server Farms

Laptop Charging Repository

Crypto, Radio Storage

VOSIP or DRSN Circuits

VTC Connections

MLS Network Separation

Extreme Climates

What is an IPS Security Container?

IPS Security Containers are a GSA approved cost-effective alternative to a CAA or facility build out, allowing on-line, closed-door, unattended, 24/7 operation of stand-alone or networked classified applications. The IPS Container is an armored computer cabinet constructed specifically for the protection and operation of any combination of classified equipment: switches, routers, patch panels, servers, workstations, laptops, Type 1 encryption devices, etc. It's an integrated security solution that combines physical protection with internal cooling, rack mounting and secured cable connectivity. IPS Containers meet the GSA Class 5 protection criteria, the highest level of physical protection as specified under Federal Specification AA-C-2786, having their own distinct blue GSA approval label.

Trusted Systems has expanded the scope and applicability of the IPS Container by offering a multitude of sizes, cooling options, rack mount configurations and cable connectivity layouts. This allows IPS Containers to be small enough for tactical use or a single user, yet large enough for network data centers with multiple servers or large communications nodes, and everything in between.

Wherever deployed, access must be secured and controlled. Security should be built in, not added on; it should be embedded and transparent to operations with human intervention kept to a minimum. Why force the application to fit the container when the IPS Container can be configured to fit the application? Why force the user to go to the network when we bring the network to you?

- PHYSICAL PROTECTION
- ENVIRONMENTAL PROTECTION
- TEMPEST PROTECTION
- INTRUSION PROTECTION

Why use a Trusted Systems IPS Security Container?

By using a Trusted Systems IPS Container in a deployment, the owning agency saves substantial cost, time and complexity by eliminating the need to create a secured equipment room that has a permanent location and fixed size. The Trusted Systems IPS Container is a fully authorized CAA alternative, self-contained, modular, scalable, and most importantly, transportable. This offers a high degree of flexibility for network deployments, upgrades or reconfigurations due to changes in architecture. Trusted Systems IPS Containers are more than just storage containers; they protect classified network applications for SIPRNET and Coalition nodes, wireless access points, client workstations, DRSN or VOSIP circuits, VTC connections, server farms, blade clusters, communications closets and laptop repositories. In these days with emphasis on joint forces integration and BRAC relocations, this modularity of infrastructure security provides great latitude when relocating networks at minimal cost in a shorter period of time.

SafeGuard is an integrated IP-addressable Intrusion Protection System that transforms the traditional facility-based IPS Container into a network-centric solution. Now classified networks can be continuously monitored and controlled remotely with real-time proactive countermeasures against threats from overheating, power disturbances, and most significantly, unauthorized access from insiders and outsiders alike.

IPS Security Container Product Family



	TSM131	TSM191	TSM281	TSM521	TSM621
Typical Heat Load (Watts)	150 - 475	175 - 550	300 - 1000	850 - 3,150	1,700 - 6,300
Rec. Cable Count	12	24	48	144	144

Rack Mounting

Height (max)	6U	9U	14U	27U	33U
Width (in)	13/19	19	19/23	19/23	19/23
Depth (in)	20/25/29	20/25/29	20/25/29	20/25/29	20/25/29

Outside Dimensions (in)

Height	13	19.5	28.5	51.25	62.75
Width(s)	15/21.5	23	22/27	22/27	27
Depth(s)	32/36/42/48	36/39/45/52	39/45/52/60	39/45/52/60	39/45/52/60
Weight (Lbs)	300 - 460	550 - 790	885 - 1,250	1,295 - 2,000	1,800 - 2,300

Available Options & Accessories:

SafeGuard	✓	✓	✓	✓	✓
Roll-out Rack		✓	✓	✓	✓
Slide-out Rack	✓	✓			
Red-Black Separation	✓	✓	✓	✓	✓
PDS Junction Box	✓	✓	✓	✓	✓
Enlarged Cable Entry		✓	✓	✓	✓
Thermostatic Control	✓	✓	✓	✓	✓
Noise Reducing Mufflers	N/A	✓	✓	✓	✓
INCOGNITO	✓	✓	✓		
TEMPEST			✓	✓	✓
Caster Base	✓	✓	✓	✓	✓
Desk-high Support Stand	✓	✓	✓		
Floor-load Spreader	N/A	✓	✓	✓	✓

KEY FEATURES

- GSA Approved Class 5
- Scalable and Modular
- On-line 24/7 Access
- Closed Door Operation
- Flexible Rack Mounting
- Low Noise Cooling
- Contaminant Free
- Enhanced Equipment Reliability
- PDS Conduit Connectivity
- Intrusion Protection
- Full TEMPEST Models
- Custom Configurations
- Cost Effective & Transportable



Security Made Simple

SAFEGUARD

Monitor – Alarm – Control – Protect

APPLICATIONS

- High Threat Locations
- Remote Sites
- Lock-and-Leave Posts
- Central Network Monitoring
- Eliminate User Neglect
- Verify Operational Procedures
- Validate Lock Operation

KEY FEATURES

- JITC Exempted Physical Security Device
- Proactive Countermeasures
- “Zeroize” your Crypto Remotely
- SNMP Traps & Email/Text Alerts
- End-to-End Intrusion Protection
- 1U Rack Mounted PDU
- Environmental Monitoring
- Remote Power Sequencing
- 8 Individually Controlled Outlets
- 120V & 230V Models Available

What is SafeGuard?

SafeGuard is the next dimension of physical protection for classified networks. SafeGuard transforms the IPS Container from a standalone facility-based container to a network-centric solution. SafeGuard integrates intrusion protection into the IPS Container itself: a continuous, real-time, IP addressable monitor and alarm for the lock, door and body. Each critical element of the IPS Container and the network equipment within is under constant surveillance with the ability to instantly respond to any alarm with an immediate shutdown. This establishes a proactive versus reactive solution. Instead of auditing loss or damage, you are now able to prevent it.

Keeping the Insider Out

The major vulnerability to security is the insider who already has access. SafeGuard can instantly respond when the lock dial is turned to proactively prevent unauthorized access or compromise in real time. Alarms trigger an immediate response against any threat by shutting off power to critical equipment: switches, routers, servers, PC's and encryption devices. The human element is minimized, not relying on periodic inspections or OPSEC procedures to ensure compliance.



Monitor - Alarm

SafeGuard monitors door position, lock status and dial rotation, power consumption and temperature & humidity. SafeGuard can also accept (2) additional dry contact alarm inputs from an optional vibration detector or the entry door into the surrounding room.

Upon detecting an alarm condition, SafeGuard transmits an email or text alert to security personnel and SNMP trap to a network monitoring system. Alarm output signals can also be wired to a local alarm panel using the dry contact terminals.

Control - Protect

Individual On/off control for (8) receptacles allows power sequencing, remote rebooting and instant shutdown of equipment in response to alarms. This also enables remote “zeroizing” of TACLANE encryption devices. Responses can be generated as a result of an unauthorized intrusion, disruption of power, equipment failure or overheating due to HVAC failures. Responses can be pre-programmed if necessary. Multiple containers can be monitored and controlled simultaneously with an optional virtual server appliance.

SIPRGuard

Access your Classified Network

SIPRGuard Endpoint Access Control

- ON/OFF Control of all Desktop Devices: KVM, VOIP, VTC
- Local Biometric Fingerprint & PIN Authentication on Desktop
- Desktop Access to SIPRNet without Opening IPS Container
- Instant SIPR Access; On-line 24/7
- No Reboot or Patch Management Delays
- Assures DISA STIG & CCRI Compliance

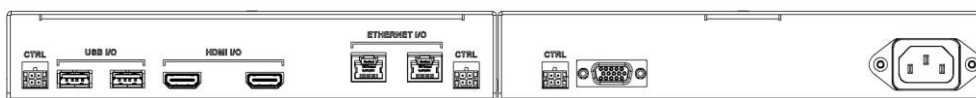
Desktop Module



1U Gateway/Control Module

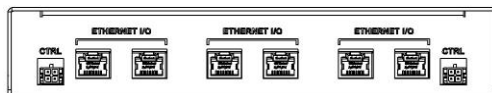


Gateway/Control Module Back View



KVME Gateway Module

Control Module



3 Port Ethernet Gateway Module (optional)

Activate up to 6 Gateway Modules from a single Desktop & Control Module

SIPRGuard streamlines network access from the desktop without compromising security, convenience or performance. It uses two factor (PIN & Fingerprint) authentication to connect the desktop KVM and Ethernet devices to the network equipment mounted inside a Trusted Systems IPS Container (CAA equivalent). Once authenticated, signals are transmitted through the Gateway Module and

out of the IPS Container to the desktop peripherals. Then, normal SIPRNet token login commences. The user never needs to open the IPS Container. To disconnect, they simply remove their SIPR token, press the OFF button on the Desktop Module and walk away. If the user leaves the desktop without pressing the OFF button, a time-delayed motion sensor kills the circuit automatically.

APPLICATIONS

- SIPRNet Sites, Offices or Cafes
- GO's Residence & Office Spaces
- Conference & Training Rooms
- Thin or Zero client networks
- Multidomain Sites
- Mixed Nationality environments

KEY FEATURES

- Assures DISA STIG & CCRI Compliance
- Scalable for Multiuser, Multidomain & Multimedia
- Accommodates up to 2,000 Users
- Local Admin & Enrollment
- 1U Rackmount with Cable Mgmt
- 15ft, 30ft or 50ft Output Cables
- Daisy-chain up to 6 Gateways from one Desktop & Control Module
- Optional 3-Port Ethernet Gateway

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INCOGNITO

Camouflage your Classified Network

APPLICATIONS

- High Profile Locations
- General Officer Quarters
- Ambassador Residences
- Embassies & Consulates
- Governor/AG Offices
- Senior Executives
- Conference/Training Rooms

KEY FEATURES

- Camouflage for the Office
- Concealed Quiet Operation
- Instant Convenient Access
- Alternative to Facility Build Outs
- Multifunctional Design
- Custom Styles & Wood Stains
- Fast & Easy Installation
- Optional Matching to Decor
- Intrusion Protection



Network Access Anywhere

The INCOGNITO Executive IPS Security Cabinet is a suite of secured office products tailored for single or multifunctional classified networks in high profile quarters, offices and conference/training rooms. This bundled solution integrates the physical security of an IPS Container, concealed within finely finished, handmade, solid wood cabinetry. When combined with SIPRGuard KVM and Ethernet Gateways, it becomes an inconspicuous, easily accessible, quiet, secured communications center with minimal intrusion into the home or office environment.

Inconspicuous Classified Presence

- Instant SIPRNet Access
- Secured VTC and/or VOIP
- Combine Multiple Networks (SIPR, NIPR, BICES, COALITION, COIN, RELCAN)
- No PDS Required
- Hand crafted using cherry, oak, maple, mahogany or walnut hardwoods with matching hardware.
- Stain and style can be matched to existing furniture.
- Optional matching desks, hutches, bookcases, credenzas, printer stands, etc.
- Inside delivery and onsite installation services available.

TEMPEST

Shield your Classified Network

TEMPEST IPS Container (TIPS)

Trusted Systems produces a Full TEMPEST IPS Container for the shielding of non-TEMPEST rack mounted electronics in high threat classified applications. It combines the physical protection of the IPS Security Container with the highest performance shielding available in a TEMPEST enclosure. It provides broadband EMI/RFI protection for the entire rack meeting NSA specification 94-106, freeing the user from cost and performance constraints of individually shielded devices. Any combination of devices can be shielded whether COTS, zoned or TEMPEST, enabling complete configuration flexibility regardless of changes in hardware, technology or security landscape.



Standalone TEMPEST Enclosure

When physical protection is not required, Trusted Systems offers standalone enclosures that provide the same broadband EMI/RFI shielding without the physical barrier of the IPS Container. Four models are offered providing a variety of depths and heights up to 42U rack space.

EMP / HEMP Shelters

Trusted Systems' TIPS Security Container is also an effective hardened shelter against Electromagnetic Pulse (EMP) or High-Altitude Electromagnetic Pulse (HEMP) threats. They can be used to shield on-line or off-line equipment such as network devices, radios or communications gear or power distribution equipment to reconstitute operations following an EMP attack or event.



APPLICATIONS

- High Threat Overseas Locations
- Alternative to Facility Build Outs
- EMP / HEMP Shelters
- RF Radio Shielding
- Compartmented TS/SCI

KEY FEATURES

- EMI / RFI Shielding
- NSA 94-106 Compliant
- Scalable and Modular
- On-line 24/7 Access
- Closed-door Operation
- Fully Accessible Rack
- TIPS up to 28U rack
- Standalone up to 42U rack
- Removable I/O Panel
- Fiber Barrel Waveguides
- Full TEMPEST Power Filter

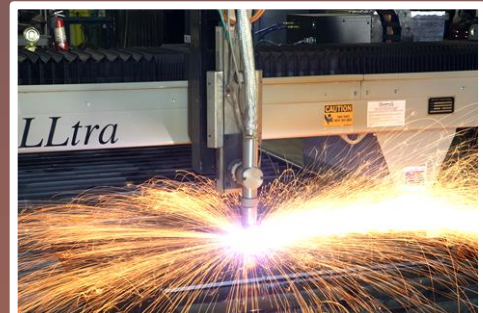
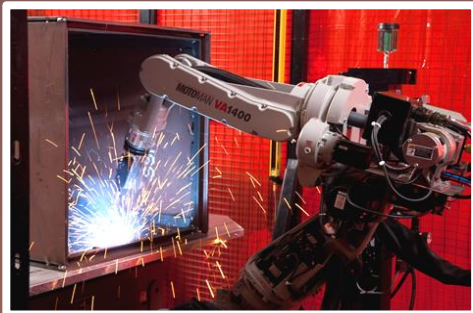
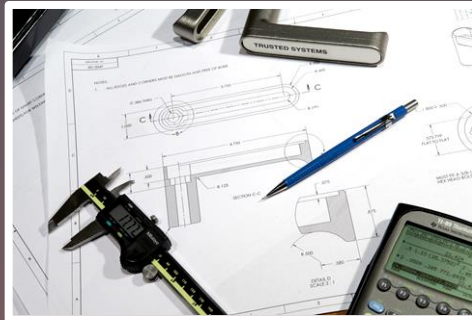
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INNOVATION - PERFORMANCE - QUALITY

Established in 1988, Trusted Systems, Inc. is the pioneer and industry leader in the development and deployment of the IPS Security Container and its Endpoint access control solutions. We are an All-American, "active duty" company dedicated to supporting those who defend our national security and freedoms. As a market and mission-driven company, Trusted Systems is devoted to creating high performance security solutions to ensure secured, controlled access to proprietary and classified networks worldwide.

Trusted Systems' leadership in securing critical data is achieved by an unmatched commitment to design and engineering. Each IPS Container is custom built to order and manufactured entirely in-house and reflects a standard for excellence only exceeded by our devotion to customer service, which includes inside deliveries, on-site installation, emergency lock services, and our TrustedCare™ extended warranty support program. Innovation, technical excellence, quality of workmanship, and customer service will continue to drive the success of Trusted Systems, just as it has for more than 30 years.



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