

ELECTROMAGNETIC PROTECTED CABINETS

Protect Your Business Servers, Data Storage and Networking against
Electromagnetic Threats from 1 MHz to 10 GHz.

emPRIMUS™



This readily available EMP Suitcase is extremely portable, easy to operate, and suited for rugged environments. More importantly it generates extremely high-amplitude electric fields with frequency content in bands suitable for affecting electronic systems. "Do not operate near computer-controlled machinery or unshielded electronic equipment unless you intend on causing irreversible damage."

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Overview Information

Successful businesses have disaster recovery plans in place for IT equipment that supports critical applications. The way to ensure recovery time objectives is to have computing, data storage, and networking equipment available and working. Protected cabinets can be installed inline with existing data center cabinets or stand alone in an office environment. All components are designed and tested to exceed military specifications. Place your equipment inside, securely lock the doors, and rest assured that you're protected.

These cabinets can be securely locked and have integrated UPS, filtered power, filtered airflow, filtered communications and accommodate most storage and servers.

Features

- Protected cabinets to house data center equipment
- Shielded and RF filtered against intentional electromagnetic (IEMI) pulse devices, unintentional electromagnetic interference sources, and geomagnetic storm interruptions
- Used to either "recover from" or "operate through" an IEMI event



ELECTROMAGNETIC PROTECTED CABINETS

Protected Cabinets	Specifications
Interior Dimensions	Height – 84 inches Width – 24 or 30 inches, 19 inch (IA std.) Depth – 48 inches Available electronic space – 42 U (without UPS option)
Doors	Front & back with electrically conductive gaskets
Shielding	>80 db attenuation of IEMI (1 MHz to 10 GHz) or EMP (14kHz to 10 Ghz)
Rails	Four (4) rails, square holes (EIA std.)
Power	4.5 kW
Power Line Filter	>80 db attenuation of IEMI or EMP, 1 MHz or 14 kHz to 10 GHz, 208 volts, single phase, 30 Amps with solid state surge suppressor
Power Distribution Units	Two zero U PDUs mounted vertically
Cooling	Air vents in doors, four (4) low-noise fans for 960 cfm air flow Fans thermostatically controlled Vents are honeycomb waveguides beyond the 10GHz cut-off frequency
Network Switch	Fiber to electric network switch, 8 fiber to 16 electrical ports
Fiber Access to Cabinet	One waveguide (WGF-6) beyond 10 GHz cut-off frequency
Options	Specifications
Continuous Environment Monitoring	External mounted Emprimus high electromagnetic field detector with internal interface electronics to continuously send signal for security alerts Cabinet shielding PureChoice™ monitoring nose for monitoring electromagnetic fields, temp, humidity, and CO ₂
Uninterrupted Power Supply (UPS)	4.5 kW for 5 or 22 minutes operation (space requirement 5U or 8U) Automatically switched on for geomagnetic storm power line harmonics

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