DefenseSeries

DefenseShield™ & DefenseShield™ Mini
Maximum Security Protection at the Server Rack Level

ENCONNEX®
Born to Innovate™

The DefenseSeries Electromagnetic Compatibility (EMC) Hardened Enclosures are radio frequency (RF) shielded cabinets that provide military-grade performance to shield against technical surveillance and block electromagnetic fields. They provide shielding from RF interference, EMC, and power conditioning to provide a secure environment where data is protected. DefenseShield™ and DefenseShield™ Mini provide a compelling solution to the most common, high-requirement cybersecurity and defense applications.

Key Attributes

Maximum Security
DefenseSeries provides power and data line filtering, shielding from electromagnetic interference, RF interference, and overall EMC to create a secure environment where data is protected.

High Performance
Our RF shielded products are purposely built for effectively attenuating signals from 1MHz to 40GHz (5G). Internationally accredited labs, communications companies, and tech giants have tested, approved, and implemented these products.

Cooling
All DefenseSeries products provide significant airflow with built-in fan systems providing up to 10kW of cooling and keeping all enclosed equipment running efficiently.

Lightweight
50% lighter than competitive products on the market making shipping, integration, and installation significantly easier.

Cybersecurity
Historically, the primary purpose of RF shielded racks has been as a technical surveillance countermeasure (TSCM) for cybersecurity-mitigating risks from power analysis and electromagnetic interference (EMI) side-channel attacks. The proliferation of Wi-Fi, Bluetooth, and other wireless technologies pose new eavesdropping threats.

Who Needs Cybersecurity?

Defense/Military/Government

The DefenseSeries enclosures are used for cybersecurity purposes. DefenseShield is a server cabinet option to shielded rooms to protect against EMI and side-channel attacks. The DefenseShield Mini is a smaller, rack and cabinet mountable, enclosure that provides the same protection. The DefenseShield Light is a lower cost alternative providing the same level of protection with a little less cooling capacity.

Why Choose a Shielded Rack?

> Lower total cost than SCIFs or Faraday cages

> Lower maintenance

> Lower implementation cost

> Allows use of off the shelf electronics as oppose to expensive TEMPEST equipment

> Lasts for generations of IT systems

> Provides granular, sectionalized signal and physical security

Why Should You Choose Enconnex for Your RF Shielding Needs?

Enconnex is the RF shielded product expert.

We have extensive experience in RF shielding technology, providing solutions to and guidance for the world's largest companies, including data centers, hyperscalers, labs, and IT infrastructure companies.

Enconnex DefenseSeries products provide high-quality shielded enclosures.

We are the only one-stop-shop in the cybersecurity market for enclosures, airflow, and cable management accessories. DefenseSeries cabinets effectively shield against the latest in wireless technology including 5G signals.

Enconnex provides solutions.

We provide solutions such as physical access to equipment within the enclosure, cable management (with moving parts), and airflow management in high-density environments. Customization is key to ensuring our customers get the exact products features they need.
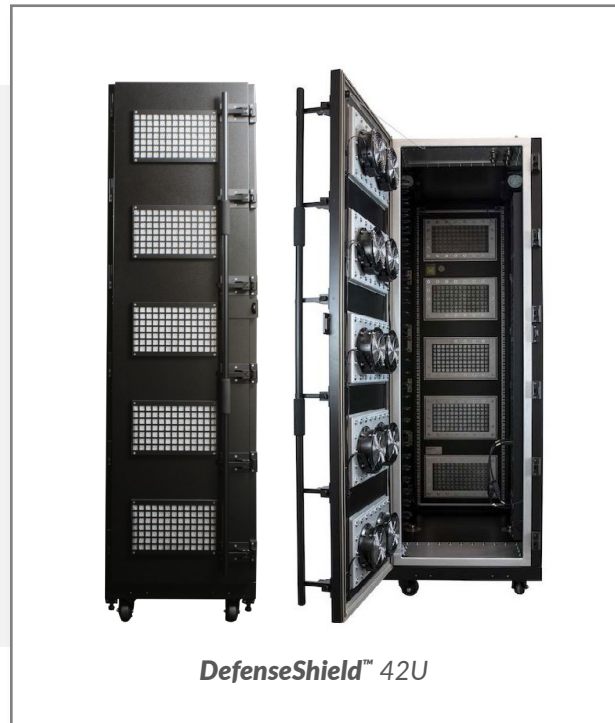
Enconnex is a better value.

Many of the high-performance competitors are 50%-100% more expensive.

What Are the DefenseSeries Products That We Offer?

DefenseShield™ Cabinets

The DefenseShield is a full-size RF shielded cabinet that provides industry-leading radio frequency (RF) shielding mitigating signals emanating from or interfering with electronics within the enclosure. We also offer the DefenseShield Light. This cabinet provides the same level of shielding with a lower cooling capacity and a lower price.

DefenseShield™ 42U

FEATURED PRODUCT

DefenseShield™ 42U

> Lightweight, Rugged Construction

> Standard Rack Footprint

> 10kW+ of Cooling Support

> Customizable I/O

DefenseShield™ 42U Inside

What Are the DefenseSeries Products That We Offer?

DefenseShield™
Wall Mounted Enclosure

The DefenseShield™ Wall Mounted Enclosure provides military-grade shielding in a small size for convenient wall mounting. Perfect for shielding sensitive network devices.
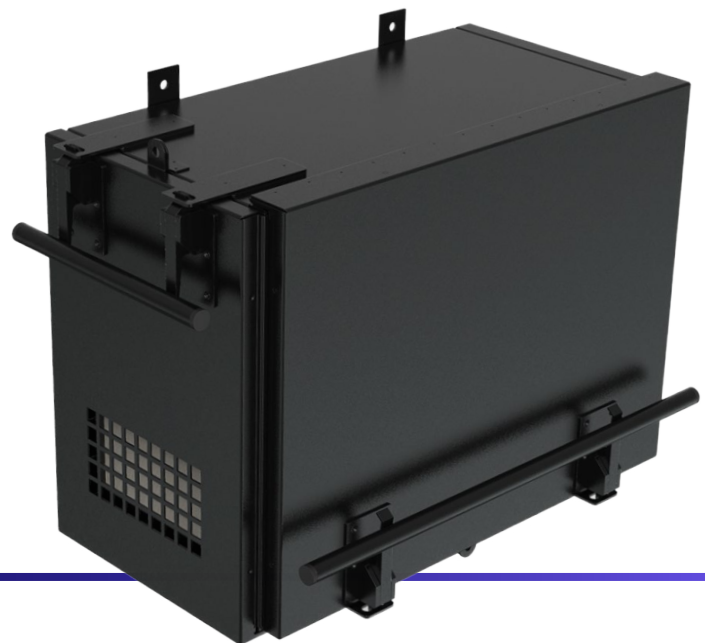
DefenseShield™ Wall Mounted Enclosure - On Side

FEATURED PRODUCT

DefenseShield™
Wall Mounted Enclosure

> Lightweight, Standard Footprint

> Wall-Mounted

> Completely Customizable

> Tested and Trusted Performance

DefenseShield™ Wall Mounted Enclosure - Front

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