

Real Device Testing Products

DevShield, DevRack, and Accessories

The world's first complete line of real device testing enclosures and accessories explicitly engineered for enterprise real device testing on one platform and deployable in data center environments. With RF shielded and non-shielded options and enclosures of all sizes, scaling application and software testing has never been easier. Increase your testing capabilities from 20 devices to 20,000.

Our DevShield RF shielded enclosure brings military-grade shielding to the commercial space. With power and data line filtering and world-class EMI/RF shielding, DevShield eliminates outside channel interference, preserves signal integrity, and provides overall EMC (electromagnetic compatibility) to create an ideal environment for application and software testing on real devices. All at the server rack level.

Key Attributes



Scalability

Our real device testing enclosures were engineered to unlock scalability. The full-size, RF shielded DevShield allows testing to scale from several devices in a single enclosure to thousands of devices across as many enclosures as needed. All while maintaining signal integrity and connection.



High Performance

DevShield and DevShield Mini were engineered to effectively attenuate signals from 1MHz to 10GHz. Hyperscalers, internationally accredited labs, communications companies, defense contractors, and tech giants have tested, approved, and implemented these products.



Cooling

The DevShield and DevShield Mini provide significant airflow with a built-in fan system to keep all enclosed devices cool. Offering up to 10kW of cooling capacity.



Configurability

With customizable I/O panels, flexible size options, shielded and non-shielded enclosures, accessories, and a team of expert engineers, we can configure our solutions to your exact requirements.

What is Real Device Testing?

Real device testing is the process of testing the functionality of apps, software, or programs on real devices like mobile phones and tablets. Testing is typically conducted across a variety of different operating systems and physical devices. Real device testing is essential because it helps to identify and mitigate any potential issues before they impact the end user. Enconnex real device testing enclosures employ shielding, cooling, and maximize available space for faster and more accurate test results.

Who Needs Real Device Testing?

Companies who are using 3rd party test labs (real device cloud):

Enterprise

Telecom

Retail

Financial

Our real device testing enclosures were engineered to enable real device cloud companies to enhance their offerings. Enconnex enclosures can scale to meet the needs of any real device cloud customer.

Companies who build their own test labs:

Hyperscale

Social Media

Internet

Technology

Why Should You Choose Enconnex for Your Real Device Testing Needs?

Product expertise.

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.

Your real device testing one-stop shop.

We are the only one-stop shop in the real device testing market for enclosures, airflow solutions, and cable management accessories.

Robust customization options.

Our enclosures can be customized to your exact specs. Offering customizable I/O panels, a variety of shelves, cable management accessories, size options, airflow and cooling management features, and more.

We understand your challenges.

Our real device testing enclosures were purpose-built to solve common real device testing problems such as overloaded bandwidth, channel interference, signal integrity, overheating equipment, slow or failing tests, and device organization.

Compliance and standards.

Our DevShield cabinets are tested in accordance with IEEE-299, MIL-STD-285, and NSA 94-106. They enable systems to meet standards for SIGINT and emanation security such as MIL-STD-461 and TEMPEST requirements. They are UL 2416 (NWIN) listed to allow for commercial use in high reliability environments.



What Real Device Testing Products Do We Offer?

DevShield Cabinets

The DevShield is a full-size RF shielded cabinet that provides industry-leading, military-grade radio frequency (RF) shielding and line filtering mitigating signals emanating from or interfering with electronics within the enclosure. The only RF shielded enclosure tested, approved, and deployed specifically for center applications.



DevShield 42U

DevShield 42U

- > Lightweight, rugged construction
- > Standard rack footprint
- > 10kW+ of cooling support (DevShield 42U Light offers 2kW+)

- > Customizable I/O
- > Holds up to 400 mobile devices or 40 open laptops



What Real Device Testing Products Do We Offer?

DevShield Mini Enclosures

DevShield Mini enclosures feature lightweight construction and can be directly mounted onto a 19" 2-post rack, 4-post rack, server cabinet, or be held by an equipment shelf allowing installation in an office, lab, or data center environment. The compact footprint of this enclosure allows for a better fit and more flexibility in high-density test environments. *Various sizes available.*

DevShield Mini

- > Lightweight, rugged construction
- > Rack mountable to 19" rails
- > Customizable I/O



DevShield Mini 6U



DevShield Mini 13U



What Real Device Testing Products Do We Offer?

DevRack Products (Non-Shielded)

The DevRack products are non-shielded alternatives to DevShield. Suitable for hard-wired mobile device testing at scale or low-density wireless testing. They are purpose-built for real device testing and, as such, much better solutions than the alternative of retrofitting a standard server rack.



Real Device Testing Accessories

Customized shelves and accessories are available for all DevShield and DevRack cabinets and enclosures. They are designed to work seamlessly with our products and conform to customer specifications.

FEATURED PRODUCTS

DevShield Sliding Shelf

- > High-quality steel construction
- > Fully-extendable shelf
- > Optimal ventilation



Cabinet Fan Door

- > Individual fuse per fan module protects from overload
- > Power cut-off switch triggers when door is open
- > LED indicator light for ON/OFF power control
- > Compatible with DevRack and ECX Cabinets
- > Quiet fans with a noise level of 69 dBA
- > Significant airflow of 2046 CFM

