

 **ENCONNEX**[®]
Born to Innovate™

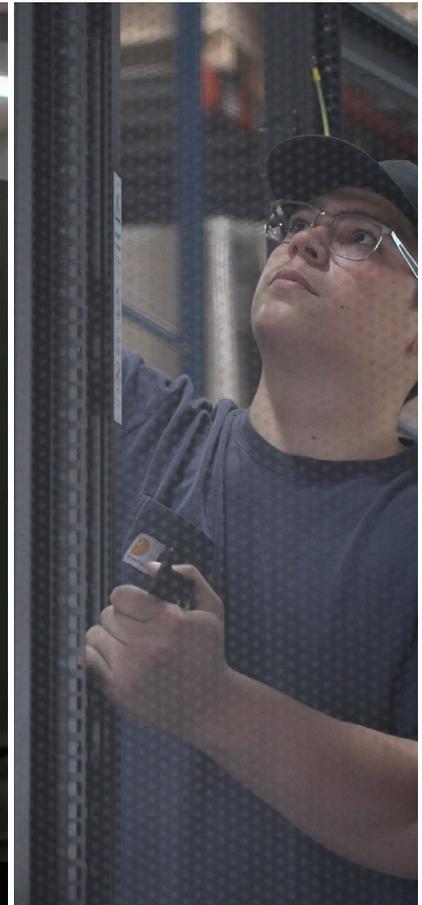
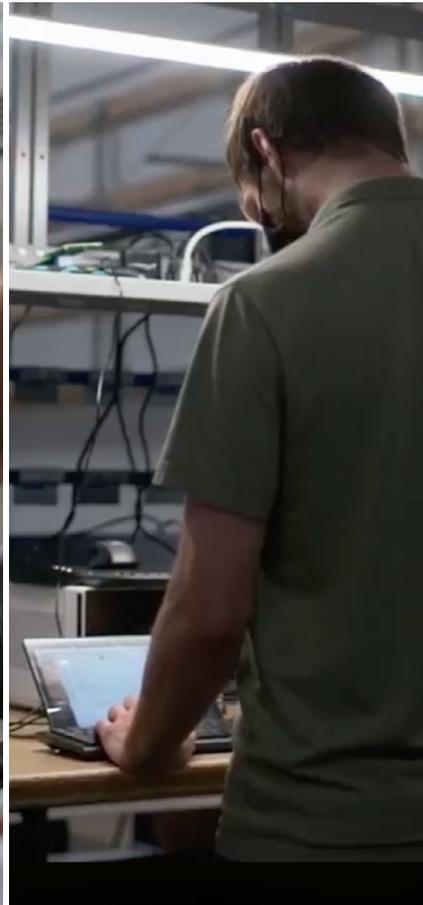


**Data center and IT infrastructure products
and solutions tailored to your business.**

Who is Enconnex?

Born to Innovate

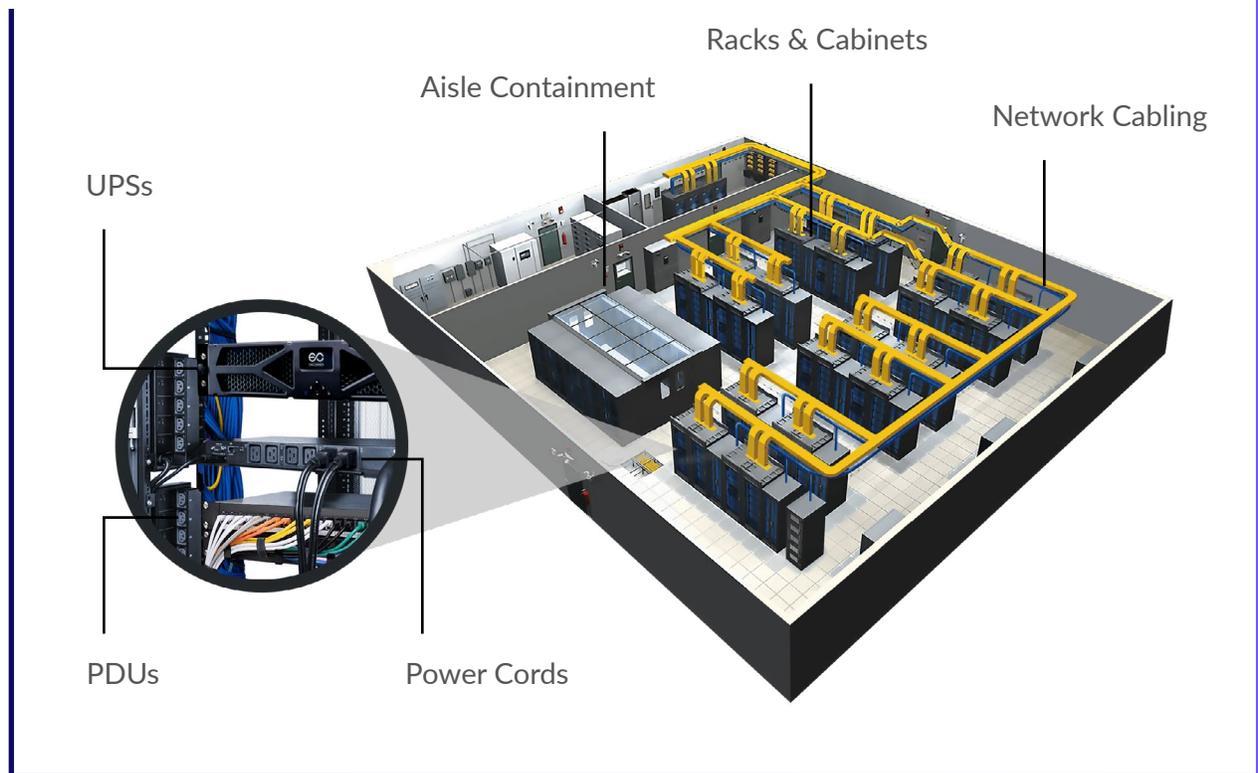
Enconnex got its start by developing custom products for some of the biggest technology companies in the world. We built on that success by leveraging our data center background and experience to engineer, manufacture, design, and supply complete lines of data center and IT infrastructure products. We continue to develop hundreds of custom solutions every year.



The right products.

We specialize in manufacturing and supplying the products you need for your IT operations. Server racks and cabinets, power, containment, network cabling, and more. With 70,000 square feet of manufacturing and warehousing space in Reno, NV, and a global team of experts dedicated to your success, we have the inventory available and logistics expertise to get you what you need when you need it.

Our Products in the Data Center



Commitment to compliance.

Customers choose our products because they are reliable, high-quality, cost-effective, and carry the regulatory certifications that companies need their data center products to have. Enconnex IT infrastructure products are used in the largest hyper-scale, enterprise, data center, and network customer locations worldwide. They must meet specific standards for safe operation in the data center environment. Not all certifications apply to all products. Check with your Enconnex sales representative to learn more.

Enconnex is both ISO 9001:2015 and ISO 14001:2015-certified. We take the quality of our products and our impact on the environment seriously. Our quality and environmental management systems were built and tested to ensure we hold ourselves to the highest standards possible. Maximizing customer satisfaction, product quality, and sustainability is the driving force behind everything we do.

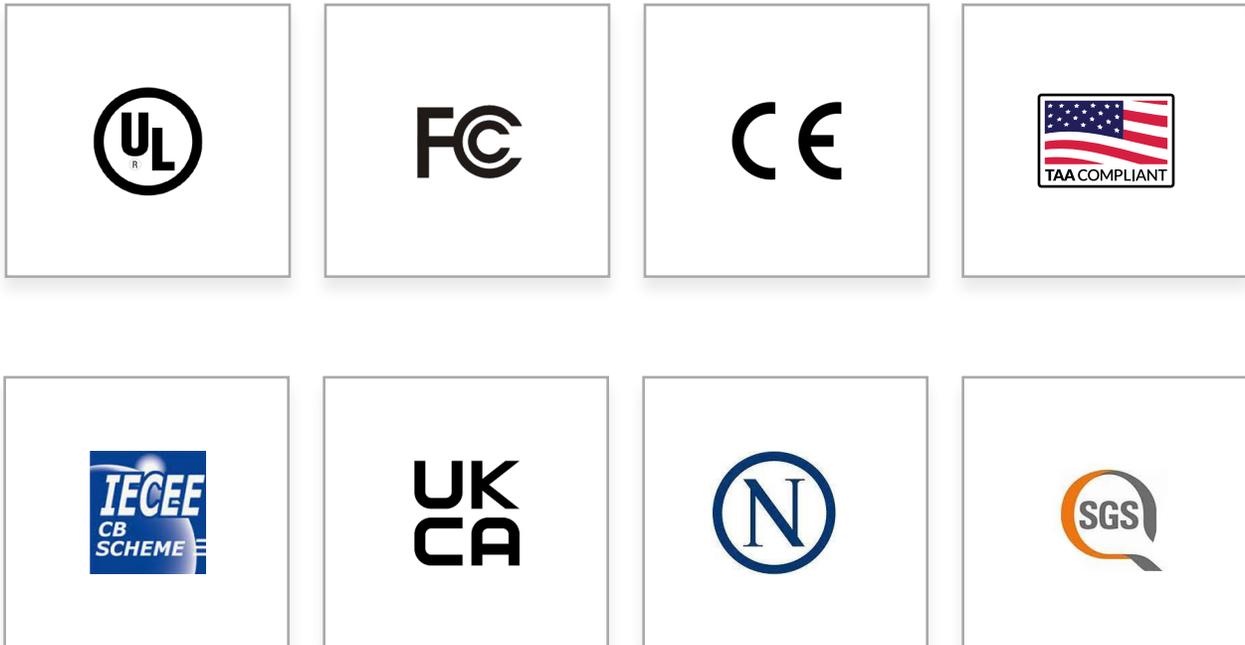


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Server and Network Racks and Cabinets

InfiniRack Data Center Cabinets

The new InfiniRack data center cabinet has nearly endless customization and configuration options. This cabinet is engineered to maximize the internal space allowing recessed PDU mounting, and more room for servers and cable management. The increased load ratings provide more durability and more capacity for equipment.



PRODUCT FEATURES

Configured-to-Order

- Every InfiniRack is configured based on your unique order. There's no such thing as a "standard" unit. The standard is what you make it. All cabinets ship preassembled and with selected accessories installed.

Maximum Internal Usable Space

- With a low-profile frame design and integrated dual PDU channels, InfiniRacks are engineered to maximize internal usable space.

Superior Cable Management

- Multiple vertical cable management options are available, some of which feature toolless installation and removal. Pro versions include a lashing panel to relieve stress on cable terminations and hinged covers to keep it all concealed.

Efficient Airflow Management

- Brush panels allow cable passthrough while mitigating leakage of hot exhaust air, an optional air dam kit seals gaps around the perimeter of the front mounting rails, and 31.5" (800 mm) wide InfiniRacks include grommets in all rail openings.

Excellent Load Ratings

- Featuring static load ratings of 4,000 lb (1814 kg) and dynamic load ratings of 3,000 lb (1361 kg), InfiniRacks are designed to accommodate evergrowing densities.

Recessed PDU Mounting

- Dual PDU channels are integrated into the frame's rear corners, allowing for recessed PDU mounting, maximizing access to rack mounted equipment.

Two-Post Rack

The Enconnex Two-post equipment rack is an excellent solution for lightweight and smaller format rack mounting needs. This cabinet is constructed of high-quality, rigid aluminum and is ideal for a wide range of equipment, from networking devices to small equipment that requires a shelf.



Wall-Mounted Cabinet

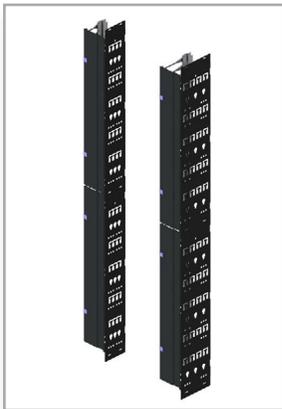
The Enconnex wall-mounted cabinet is a fully enclosed unit designed to house critical server, storage, and networking equipment in a small format. This cabinet provides all of the features and security of a full-sized cabinet, but in a reduced footprint.



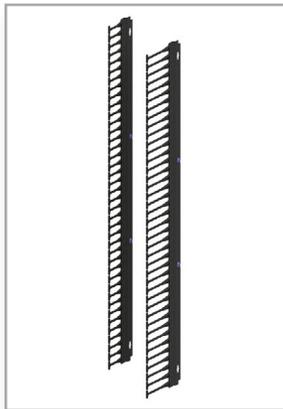
InfiniRack Accessories

Infinite Possibilities

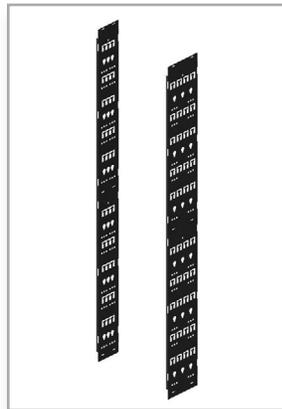
InfiniRack offers millions of configuration options. Choose the sizes and accessories you need to maximize the value of your deployment. Our team will work with you to ensure you get the perfect cabinet for your environment and application.



Cable Manager - Pro



Cable Manager - Basic



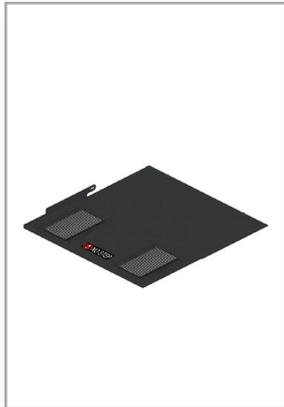
Lashing Panel



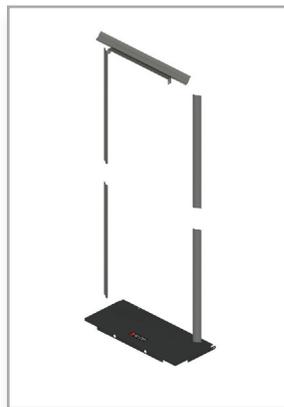
Front-To-Rear Cable
Trough



Side Panels



Bottom Panel



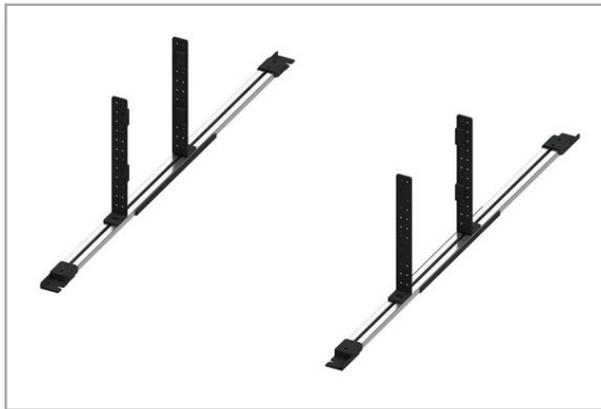
Air Dam Kit



Brush Kit



Blanking Panel



Cable Pathway Support Kit





Cybersecurity and Real Device Testing Products

Enclosures and accessories engineered for performance and customizable to your unique specifications.

Cybersecurity Products

Historically, the primary purpose of RF shielded racks and enclosures 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.

Real Device Testing Products

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.



DefenseShield® RF Shielded Cabinet

The DefenseShield® EMC Hardened Enclosure is an RF shielded cabinet that provides industry-leading radio frequency (RF) shielding to mitigate signals emanating from or interfering with electronics within the enclosure. The cabinet features lightweight, rugged construction with a standard server rack form factor.

The DefenseShield Cabinet acts as a Faraday cage by attenuating RF signals entering or exiting the enclosure. Applications include installations in an office, lab, or data center for cybersecurity purposes.

PRODUCT FEATURES

Lightweight, Rugged Construction

- Rack weight does not limit installation locations.

Standard Rack Footprint

- Seamless integration into data center layout.

Cooling

- 10x235 CFM fans dissipate up to 10 kW of heat.

Customizable I/O

- Define your own I/O panels for copper and fiber connectivity.

APPLICATIONS

Cybersecurity

- Isolation of sensitive data from emergent threats, including EMI and power analysis side channels.

Innovation

- Constructed from aerospace-grade aluminum with copper-nickel gaskets sealing every opening.
- Provides 85 dB of attenuation at frequencies ranging from 1 MHz to 10 GHz.

Communications

- Emanations control mitigating interference with scientific equipment such as satellite radio antenna.



DefenseShield® Light RF Shielded Cabinet

The DefenseShield® Light is a full-size RF shielded, EMC hardened cabinet that provides military-grade radio frequency (RF) shielding mitigating signals emanating from or interfering with electronics within the enclosure. The cabinet features lightweight, rugged construction with a standard server rack form factor. DefenseShield Light has the same features, benefits, and construction as the standard DefenseShield, just with a lower cooling capacity.

PRODUCT FEATURES

Lightweight, Rugged Construction

- Rack weight does not limit installation locations.

Standard Rack Footprint

- Seamless integration into data center layout.

Cooling

- 2x235 CFM fans dissipate up to 2 kW of heat.

Customizable I/O

- Define your own I/O panels for copper and fiber connectivity.

APPLICATIONS

Cybersecurity

- Isolation of sensitive data from emergent threats, including EMI and power analysis side channels.

Innovation

- Constructed from aerospace-grade aluminum with copper-nickel gaskets sealing every opening.
- Provides 85 dB of attenuation at frequencies ranging from 1 MHz to 10 GHz.

Communications

- Emanations control mitigating interference with scientific equipment such as satellite radio antenna.



DefenseShield® Wall-Mount Enclosure

The DefenseShield® Wall Mount Enclosure provides military-grade shielding in a small size for convenient wall mounting. Perfect for shielding sensitive network devices.

PRODUCT FEATURES

- Lightweight, standard footprint for wall mounting in the lab, office, or data center.
- Provides 90 dB of attenuation at frequencies ranging from 1 MHz to 10 GHz.
- Customizable size, power, data, and accessories to suit.
- Trusted performance from countless deployments, individual testing, and third-party approval.

APPLICATIONS

The DefenseShield Wall Mount Enclosure acts as a faraday cage preventing interfering signals from entering or exiting the enclosure. This solution is well-suited for:

- **Government Agencies**
- **Defense Contractors**
- **Enterprises With Confidential Data**
- **Sensitive Infrastructure**



DevShield RF Shielded Cabinet

DevShield cabinets are RF shielded, EMC hardened enclosures with power and data line filtering engineered for real device testing at scale. DevShield cabinets ensure maximum signal integrity within the enclosure. For high-density wireless testing, the cabinets can be configured to prevent channel interference from within as well. Customizable to your exact specifications. The only full-size RF shielded cabinet engineered for data center deployment to conduct enterprise real device testing on one platform.

PRODUCT FEATURES

Lightweight, Rugged Construction

- Rack weight does not limit installation locations.

Standard Rack Footprint

- Seamless integration into data center layout.

Cooling

- 10x235 CFM fans dissipate up to 10 kW of heat.

Customizable I/O

- Define your own I/O panels for copper and fiber connectivity.

APPLICATIONS

Real Device Testing

- Segregation of wireless networks; in-rack wireless networks.

Innovation

- Constructed from aerospace-grade aluminum with copper-nickel gaskets sealing every opening.
- Provides 85 dB of attenuation at frequencies ranging from 1 MHz to 10 GHz.

Eliminate Interference

- Shielded from IEEE 802.11 (Wi-Fi), Bluetooth, Zigbee signal interference, and more.



DevShield Light RF Shielded Cabinet

DevShield Light has the same features, benefits, and construction as the standard DevShield, with a lower cooling capacity. DevShield Light is an RF shielded, EMC hardened enclosure with power and data line filtering engineered for real device testing at scale. DevShield Light ensures maximum signal integrity within the cabinet. For high-density wireless testing, it can be configured to prevent channel interference from within as well.

PRODUCT FEATURES

Lightweight, Rugged Construction

- Rack weight does not limit installation locations.

Standard Rack Footprint

- Seamless integration into data center layout.

Cooling

- 2x235 CFM fans dissipate up to 2kW of heat.

Customizable I/O

- Define your own I/O panels for signal and fiber connectivity.

APPLICATIONS

Real Device Testing

- Segregation of wireless networks; in-rack wireless networks.

Innovation

- Constructed from aerospace-grade aluminum with copper-nickel gaskets sealing every opening.
- Provides 85 dB of attenuation at frequencies ranging from 1 MHz to 10 GHz.

Eliminate Interference

- Shielded from IEEE 802.11 (Wi-Fi), Bluetooth, Zigbee signal interference, and more.

Mobile Shelf w/ Device Holder

The Mobile Shelf w/ Device Holder fits 36 mobile or tablet devices, equipped with toolless sliding rails.



Sliding Device Shelf

The Flat Sliding Shelf Provides a flat surface to place devices for real device testing application, equipped with toolless sliding rails.



Modular Device Holders

The Flat Sliding Shelf has multiple device holders and accessories that securely fit Mac Minis, NUC devices, and generic mobile devices and tablets. There is also an adapter plate that acts as a bottom for these holders.



Mac Mini Shelf

The Mac Mini Shelf fits 4 Mac Mini devices in a 1U space, equipped with toolless sliding rails.



Mobile Shelf

The Mobile Shelf fits 57 mobile devices per shelf, equipped with toolless sliding rails.



Micro Data Centers and Edge Computing

EdgeRack is like having an on-site data center.

EdgeRacks are self-contained micro data centers with integrated cooling built to enable edge computing at scale. Available in three models to suit different power densities and environments.

EdgeRack Series



EdgeRack 3P

All-in-one, plug-and-play solution with 3.5 kW of cooling.



EdgeRack 5M

Feature-rich solution with 5 kW of cooling.



EdgeRack Industrial 8M

NEMA 12-rated with high-capacity 8 kW of cooling.



EdgeRack 3P

The EdgeRack 3P is an integrated, self-contained micro data center. It provides the power, cooling, management, monitoring, and security you need in a standard footprint. Equipped with 3.5 kW of self-contained, top-mounted cooling, a condensate processing device, power distribution unit, uninterruptible power supply, sensors, and more, it's a turnkey solution ready to hold your critical IT equipment. Perfect for edge environments where space is limited.

PRODUCT FEATURES

- Self-contained, top-mounted cooling unit with up to 3.5 kW of cooling capacity and built-in condensate water processing device.
- Integrated monitoring system.
- Power control module with breaker panel.
- Electromagnetic lock that automatically opens in extreme heat or loss of power.
- Magnetic, movable temperature/humidity and smoke detection sensors and a water leakage detection cord at the bottom of the unit included.
- Double-layered glass door and split metal rear doors with smart locks and locking side panels.

APPLICATIONS

- Small to Mid-Sized Offices
- Educational Institutions
- Remote or Branch Offices
- Medical Facilities
- Retail Stores
- IT Test Labs
- Clean Room Environments



EdgeRack 5M

The EdgeRack 5M is an enclosed micro data center solution including a self-contained cooling unit with 5 kW of cooling capacity, a built-in condensate water processing unit, remote monitoring and management, enhanced security protection, and more. It's designed to help businesses realize the benefits of edge computing wherever they need it. EdgeRack 5M is fully assembled at the factory, available in various configurations, delivered in days, and installed in hours. It is ideally suited for edge deployments in non-traditional indoor environments.

PRODUCT FEATURES

- 31U of usable space for IT gear.
- Self-contained, bottom-mounted cooling unit with up to 5 kW of cooling capacity and built-in condensate water processing device.
- Cooling adjusts to match the IT load, minimizing energy consumption.
- Electromagnetic lock that automatically opens in extreme heat or loss of power.
- Double-layered glass and tinted polycarbonate front door for privacy.
- Environmental controls and sensors with remote management and monitoring.
- Front and rear intake and exhaust allow cabinets to be bayed side-by-side.

APPLICATIONS

- Edge Computing Locations
- Small to Medium-Sized Enterprise
- Medical Facilities
- Remote or Branch Office
- Retail Stores
- Educational Institutions
- Clean Room Environment



EdgeRack Industrial 8M

The EdgeRack Industrial 8M is a micro data center cabinet for industrial environments and edge deployments. It includes a self-contained, side-mounted cooling unit with up to 8 kW of cooling capacity. The EdgeRack Industrial 8M is the ideal solution for securing your IT infrastructure in manufacturing sites with less controlled or dirtier environments.

PRODUCT FEATURES

- Protected from dust, water, and other contaminants (IP55 and NEMA 12-rated).
- Side-mounted, self-contained cooling unit with up to 8 kW of cooling capacity and a built-in condensate water processing device.
- Cooling adjusts to match the IT load, minimizing energy consumption.
- Electromagnetic lock that automatically opens in extreme heat or loss of power.
- Cabinets can be deployed side-by-side and share cooling for redundancy.
- Environmental controls and sensors with remote management and monitoring.

APPLICATIONS

- Uncontrolled Edge Environments (Industrial Edge)
- Warehouses
- Manufacturing Sites
- IT Test Laboratories

Aisle Containment

Cooled and Controlled

The Enconnex hot and cold aisle containment solutions focus on the cooling and ventilating of your IT equipment in a controlled and contained area. By doing so, this system not only reduces the operational costs associated with cooling but also allows for greater equipment density.



Containment Doors



CAC Tilt Window System



Hot Aisle Containment



Blanking Panels

Power

Complete PDU Product Line

Enconnex power distribution units (PDUs) are reliable, cost-effective, and comprehensive. We offer basic (TAA-compliant), metered, and switched units in horizontal, vertical, 1-phase, and 3-phase configurations with the inlet and outlet plugs you need.



TAA-Compliant PDUs

Enconnex TAA-compliant basic PDUs are assembled in the USA from domestic and foreign components. They effectively distribute power to devices in the rack with labeled outlets for easy identification and reduced connectivity errors. Enconnex basic PDUs provide the quality and value that modern data centers need with reduced lead times.

PRODUCT FEATURES

- TAA-Compliant - Made in USA
- Premium components
- Ultra-low-profile design
- P-Lock compatible

APPLICATIONS

- Government and secure environments
- Colocation facilities
- MDF, IDF, data center, computer room, data room

Input Metered PDUs

Enconnex input-metered PDUs provide vital information about overall power consumption to help operators optimize energy management.

A hot-swappable network management control allows for future upgrades and enhanced MTTR. Up to 8 optional environmental sensors and security access handles can be connected and managed through each PDU.



PRODUCT FEATURES

- Real-time phase and circuit breaker metering and monitoring of power loads
- Remote PDU access management
- Environmental monitoring to detect temperature, humidity, and water leaks (up to eight sensors)
- Consolidation of IP address management by daisy-chain of up to four PDU's
- Conforms to the following standards: Redfish API, RESTful API, IPV6 -SSL/IPsec, SNMP V3
- Integrates with DCIM and BMS

Outlet Metered PDUs

Enconnex outlet-metered PDUs provide vital information about outlet-level power consumption to help operators optimize energy management.

A hot-swappable network management control allows for future upgrades and enhanced MTTR. Up to 8 optional environmental sensors and security access handles can be connected and managed through each PDU.



PRODUCT FEATURES

- Real-time phase, circuit load, circuit breaker, and outlet level metering
- Premium high-temperature branch rated magnetic hydraulic circuit breaker
- Ultra-low-profile design
- High-density outlet arrangement
- Remote PDU access management
- Environmental monitoring to detect temperature, humidity, and water leaks (up to eight sensors)
- Consolidation of IP address management by daisy-chain of up to four PDU's
- Conforms to the following standards: Redfish API, RESTful API, IPV6 -SSL/IPsec, SNMP V3
- Integrates with DCIM and BMS

Switched and Input-Metered PDUs

Enconnex switched and input-metered PDUs allow operators to control individual outlets on their PDUs remotely as well as monitor overall power consumption. They enable power-up sequencing, remote reboot, and outlet control access without a site visit.

A hot-swappable network management control allows for future upgrades and enhanced MTTR. Up to 8 optional environmental sensors and security access handles can be connected and managed through the PDU.



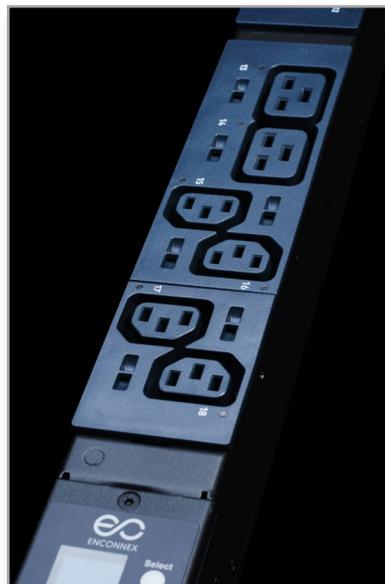
PRODUCT FEATURES

- Outlet access control
- Power sequencing
- Premium high-temperature branch rated magnetic hydraulic circuit breaker
- Ultra-low-profile design
- Alternate-branched outlets
- High-density outlet arrangement
- Real-time phase and circuit breaker metering and monitoring of power loads
- Remote PDU access management
- Environmental monitoring to detect temperature, humidity, and water leaks (up to eight sensors)
- Consolidation of IP address management by daisy-chain of up to four PDU's
- Conforms to the following standards: Redfish API, RESTful API, IPV6 -SSL/IPsec, SNMP V3
- Integrates with DCIM and BMS

Switched and Outlet-Metered PDUs

Enconnex switched and outlet-metered PDUs allow operators to control individual outlets on their PDUs remotely as well as monitor outlet-level power consumption. They enable power-up sequencing, remote reboot, and outlet control access without a site visit.

A hot-swappable network management control allows for future upgrades and enhanced MTTR. Up to 8 optional environmental sensors and security access handles can be connected and managed through the PDU.



PRODUCT FEATURES

- Outlet access control
- Power sequencing
- Real-time phase, circuit load, circuit breaker, and outlet level metering
- Premium high-temperature branch rated magnetic hydraulic circuit breaker
- Ultra-low-profile design
- High-density outlet arrangement
- Remote PDU access management
- Environmental monitoring to detect temperature, humidity, and water leaks (up to eight sensors)
- Consolidation of IP address management by daisy-chain of up to four PDU's
- Conforms to the following standards: Redfish API, RESTful API, IPV6 -SSL/IPsec, SNMP V3
- Integrates with DCIM and BMS

Power Cords

Enconnex offers a wide selection of power cords varying in lengths, colors, and plug types. All Enconnex power cords are manufactured and tested to the highest quality to ensure optimal performance and value. Our power cords are available in various colors, PVC and TPE jacket material, and P-Lock and W-Lock connectors.



PVC Power Cords



TPE Power Cords



P-Lock Power Cords



W-Lock Power Cords

Available Connectors and Wire Gauges

- C13 to C14 (14AWG)
- C13 to C14 (16AWG)
- C13 to C14 (18AWG)
- C15 to C14 (14AWG)
- C15 to C14 (16AWG)
- C15 to C20 (14AWG)
- C19 to C14 (14AWG)
- C19 to C20 (12AWG)
- C13 to N515P (14AWG)
- C21 to C20 (12AWG)
- C19 to L6-20P (12AWG)

Uninterruptible Power Supplies (UPSs)

Enconnex rack mount uninterruptible power supplies (UPSs) offer efficient and reliable power protection. Available in line-interactive and online (double-conversion) topologies, lithium-ion and lead-acid battery compositions, and various capacities.



PRODUCT FEATURES

- All models come in a compact 2U form factor.
- All models offer pure sine wave output for maximum reliability.
- High-efficiency eco mode is available for lower energy consumption.
- TAA-compliant, assembled in the USA from domestic and foreign components.
- TUV certified to UL-1778 and CSA-C22.2no107.3-14.
- Three to six-year warranty, depending on the model.
- Hot-swappable battery packs are available to extend runtime.
- Bypass distribution modules are available to simplify maintenance.

BATTERY COMPOSITION

- Lead-acid battery options are cost-effective and reliable standard options.
- Lithium-ion (LiFePO4) battery models are premium options that offer higher energy densities, longer lifecycles, and sustainability benefits over lead-acid (among other benefits).

UPS TOPOLOGY

- Line-interactive topologies are standard, high-performance configurations. They provide surge protection, noise filtering, and have minimal transfer times.
- Online (double-conversion) topologies are premium configurations. Reserved for workloads that can't afford even a millisecond of downtime, these models offer the maximum level of power conditioning and require no transfer time.

Line Interactive Lead-Acid UPS

Power capacities from 800 VA to 5000 VA (5 kVA)

Input voltages from 120 VAC to 240 VAC

Online Lead-Acid UPS

Power capacities from 1000 VA to 10000 VA (10 kVA)

Input voltages from 55 VAC to 300 VAC (depending on the load level)

Online Li-Ion UPS

Power capacities from 1500 VA to 3000 VA (3 kVA)

Input voltages from 55 VAC to 300 VAC (depending on the load level)

Power Whips

When safety, reliability, and speed of deployment matter, choose Enconnex power whips. Whether in the data center, industrial environment, or any other electrical distribution site, get what you need when you need it.



Power Whips



Receptacle Box



Connector

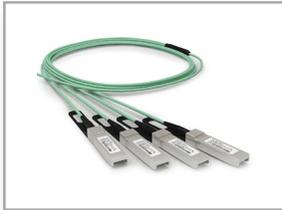


Conduit



Cabling

Connectivity



AOC and DAC Cables

The Enconnex line of AOC and DAC cables come pre-terminated and pre-assembled for quick and easy deployment. They are 100% tested to ensure industry-leading signal integrity and consistency. Color, length, functions, labels, and EEPROM content are customizable.

- SFP+ (10G) AOC and DAC
- SFP28 (25G) AOC and DAC
- QSFP+ (40G) AOC and DAC
- QSFP28 (100G) AOC and DAC
- QSFP+ (40G) to 4x SFP+ (10G) AOC and DAC
- QSFP28 (100) to 4x SFP28 (25G) AOC and DAC



Transceivers

The Enconnex line of transceivers are thoroughly tested for compatibility and are designed to be MSA (Multi-Source Agreement) compliant. Available in multiple configurations, including short-range and long-range, for enhanced fiber connectivity.

- SFP (1G)
- RJ45 SFP (1G)
- SFP+ SR (10G)
- RJ45 SFP+ (10G)
- SFP28 SR (25G)
- SFP28 LR (25G)
- QSFP+ SR4 (40G)
- QSFP+ LR4 (40G)
- QSFP28 SR4 (100G)
- QSFP28 CWDM4 (100G)
- QSFP28 PSM4 (100G)
- SFP+ ZR (10G)
- QSFP28 DR1 (100G)
- QSFP28 LR4 (100G)
- QSFP-DD DR4 (100G)
- QSFP-DD FR4 (100G)



High-quality solutions at the right price.



The best choice for your next project, build-out, order, or custom product.

Enconnex designs, manufactures, and supplies high-quality IT infrastructure products sold at a reasonable price. Our product lines cover the core components of data center infrastructure, including server racks and cabinets, network cabling, containment, PDUs, UPSs, power cords, and edge computing solutions. Our volume buying for global companies allows us to pass savings along to you.

Contact us today. We think you'll be pleasantly surprised.