⊂⊃ ENCONNEX®

Born to Innovate™

Racks and Cabinets

High-quality, high-performance cabinets from the data center experts.

Server Racks & Cabinets Trusted Worldwide

The largest data centers, hyper-scalers, and technology companies in the world rely on Enconnex ECX Server Cabinets because they offer superior quality at an affordable price with quick and easy order fulfillment. Enconnex ECX Server Cabinets are anything but ordinary. They're built with durable, solid steel, come equipped with hardware exceeding industry standards, and have excellent load ratings (3,300 lbs). All racks are shipped fully assembled for quick and easy deployment.

Why Buy From Enconnex? CHECK OUT THE BENEFITS

Availability

We regularly stock various sizes and configurations of components to allow for robust customization while maintaining fast assembly times. Engineered to order. All cabinets are fully assembled in our warehouse and ship complete to the customer.

Bundling Discounts

Partners can save time and money by bundling Enconnex ECX Server Cabinets with our other data center and networking hardware solutions such as PDUs, UPSs, power cords, network cables, and more. Our team of expert engineers is here to help you build the best solution possible given your budget, timeline, environment, and networking needs. Get in touch today to see how we can help transform your IT infrastructure.

100% Certified

Compliance and safety are top of mind for all Enconnex products. Our server racks and cabinets are no exception. Enconnex cabinets carry all major regulatory certifications, including UL listed, RoHS compliance, and EIA 310A conformance. On top of that, Enconnex is an ISO 9001 certified company. Customer satisfaction and quality are at the forefront of everything we do.

Extraordinary Racks for an Ordinary Budget

Enconnex ECX Server Cabinets are anything but ordinary. They're built with durable, solid steel, come equipped with hardware exceeding industry standards, and have excellent load ratings (3,300 lbs). All racks are shipped fully assembled for quick and easy deployment.

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CE   cULus LISTED   FC   RoHS COMPLIANT   CSA

Ask Our Expert Engineers

Our data center experts are here to help you determine what cabinets and equipment is best for the features you need and select the right products for each application.

ECX Series Cabinets

600mm Model

The Enconnex 600mm Standard Series Server Cabinet is the ultimate solution designed and engineered for demanding data center environments. It is perfect for high-density environments where weight is a concern.

- High-density
- Perfect for data centers
- Arrives fully assembled
- Fast order fulfillment

Solid Steel Construction
Solid steel construction provides some of the best load ratings in the industry

Maximum Airflow
High-efficiency perforated doors allow for maximum airflow

Easy Access
Dual side panel design makes accessing the side of your equipment quick and easy

Secure Solution
Matching locks on the doors and panels for a secure solution that is easy to manage

Reduced Footprint
Split rear perforated doors reduces footprint and provides better access to equipment

Accessory Options
Available airflow and cable management accessories as well as many other options

Power Ready Server Racks

All of our network racks and cabinets can be bundled with PDUs to receive big savings and have your equipment arrive power ready.

ECX SERIES SERVER CABINETS

Enconnex Server Cabinets carry all major regulatory certifications, including UL listed, RoHS compliance, and EIA 310A conformance. On top of that, Enconnex is an ISO 9001 certified company. Customer satisfaction and quality are at the forefront of everything we do.

COMPLIANCE/STANDARDS SPECS

EMC Verification	N/A
Safety Verification	UL2416, CSA C22.2 No. 60950-1
Environmental	RoHS

TECHNICAL SPECIFICATIONS

Basic Frame Constuction	CRS - Corrosion Resistant Steel and Welded Components
Space Identification	U-Number*44.45
Top Cover	Brush Cutouts for Cables and Power Cords Entry
Perforation & Rating	Round Hole - 65%
Mounting Hole Pattern	EIA-310-E Universal Spacing
Standard Color & Finish	Black & Powder Coated
Weight Rating (static)	1500 kg (3300 lbs)
Weight Rating (dynamic)	1200 kg (2600 lbs)
Rating	IP 20
Certifications	EIA-310
	UL2416

FEATURES

Front Rail to PDU	899 mm (35.39") Max.
Thermal Management	Airseal Kit & Blanking Panels & Brush Modules
Cable Management	Cable Management - Front & Back
Vertical PDU Bars	Assembled with Frame
Rack Handle	Standard Lock, iHandle/Bump Lock Optional
Casters & Levellers	3" Casters with Better Obstacle Passing Ability.
Flame Rating	UL 94, V0
Electrical protection & safety	Grounding & Bonding
Accessories	Baying Kit & Cage Nuts

ECX SERIES SERVER CABINETS

MODEL MATRIX				
PN	Description	W (mm)	D (mm)	H (RU)
ECX-61024-C3	600mm x 1000mm x 24u cabinet w/ side panels, casters, doors and roof	600	1000	24U
ECX-61042-C3	600mm x 1000mm x 42u cabinet w/ side panels, casters, doors and roof	600	1000	42U
ECX-61045-C3	600mm x 1000mm x 45u cabinet w/ side panels, casters, doors and roof	600	1000	45U
ECX-61048-C3	600mm x 1000mm x 48u cabinet w/ side panels, casters, doors and roof	600	1000	48U
ECX-61052-C3	600mm x 1000mm x 52u cabinet w/ side panels, casters, doors and roof	600	1000	52U
ECX-61124-C3	600mm x 1100mm x 24u cabinet w/ side panels, casters, doors and roof	600	1100	24U
ECX-61142-C3	600mm x 1100mm x 42u cabinet w/ side panels, casters, doors and roof	600	1100	42U
ECX-61145-C3	600mm x 1100mm x 45u cabinet w/ side panels, casters, doors and roof	600	1100	45U
ECX-61148-C3	600mm x 1100mm x 48u cabinet w/ side panels, casters, doors and roof	600	1100	48U
ECX-61152-C3	600mm x 1100mm x 52u cabinet w/ side panels, casters, doors and roof	600	1100	52U
ECX-61224-C3	600mm x 1200mm x 24u cabinet w/ side panels, casters, doors and roof	600	1200	24U
ECX-61242-C3	600mm x 1200mm x 42u cabinet w/ side panels, casters, doors and roof	600	1200	42U
ECX-61245-C3	600mm x 1200mm x 45u cabinet w/ side panels, casters, doors and roof	600	1200	45U
ECX-61248-C3	600mm x 1200mm x 48u cabinet w/ side panels, casters, doors and roof	600	1200	48U
ECX-61252-C3	600mm x 1200mm x 52u cabinet w/ side panels, casters, doors and roof	600	1200	52U

ECX Series Cabinets

800mm Model

The Enconnex 800mm Standard Series Network Cabinet is the ultimate solution designed and engineered for demanding data center environments. It is perfect for high-density environments where weight is a concern.

- High-density
- Perfect for data centers
- Arrives fully assembled
- Fast order fulfillment

Solid Steel Construction
Solid steel construction provides some of the best load ratings in the industry

Maximum Airflow
High-efficiency perforated doors allow for maximum airflow

Easy Access
Dual side panel design makes accessing the side of your equipment quick and easy

Secure Solution
Matching locks on the doors and panels for a secure solution that is easy to manage

Reduced Footprint
Split rear perforated doors reduces footprint and provides better access to equipment

Accessory Options
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Power Ready Network Racks

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PRODUCT CERTIFICATIONS

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COMPLIANCE/STANDARDS SPECS

EMC Verification	N/A
Safety Verification	UL2416, CSA C22.2 No. 60950-1
Environmental	RoHS

TECHNICAL SPECIFICATIONS

Basic Frame Constuction	CRS - Corrosion Resistant Steel and Welded Components
Space Identification	U-Number*44.45
Top Cover	Brush Cutouts for Cables and Power Cords Entry
Perforation & Rating	Round Hole - 65%
Mounting Hole Pattern	EIA-310-E Universal Spacing
Standard Color & Finish	Black & Powder Coated
Weight Rating (static)	1500 kg (3300 lbs)
Weight Rating (dynamic)	1200 kg (2600 lbs)
Rating	IP 20
Certifications	EIA-310
	UL2416

FEATURES

Front Rail to PDU	899 mm (35.39") Max.
Thermal Management	Airseal Kit & Blanking Panels & Brush Modules
Cable Management	Cable Management - Front & Back
Vertical PDU Bars	Assembled with Frame
Rack Handle	Standard Lock, iHandle/Bump Lock Optional
Casters & Levellers	3" Casters with Better Obstacle Passing Ability.
Flame Rating	UL 94, V0
Electrical protection & safety	Grounding & Bonding
Accessories	Baying Kit & Cage Nuts

ECX SERIES NETWORK CABINETS

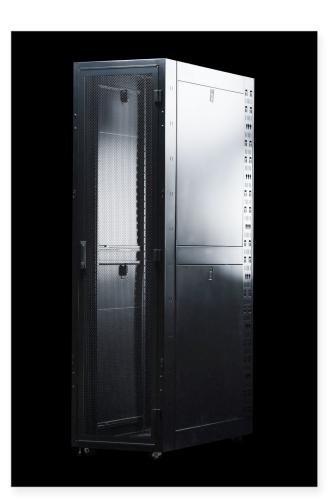| MODEL MATRIX				
PN	Description	W (mm)	D (mm)	H (RU)
ECX-81024-C3	800mm x 1000mm x 24u cabinet w/ side panels, casters, doors and roof	800	1000	24U
ECX-81042-C3	800mm x 1000mm x 42u cabinet w/ side panels, casters, doors and roof	800	1000	42U
ECX-81045-C3	800mm x 1000mm x 45u cabinet w/ side panels, casters, doors and roof	800	1000	45U
ECX-81048-C3	800mm x 1000mm x 48u cabinet w/ side panels, casters, doors and roof	800	1000	48U
ECX-81052-C3	800mm x 1000mm x 52u cabinet w/ side panels, casters, doors and roof	800	1000	52U
ECX-81124-C3	800mm x 1100mm x 24u cabinet w/ side panels, casters, doors and roof	800	1100	24U
ECX-81142-C3	800mm x 1100mm x 42u cabinet w/ side panels, casters, doors and roof	800	1100	42U
ECX-81145-C3	800mm x 1100mm x 45u cabinet w/ side panels, casters, doors and roof	800	1100	45U
ECX-81148-C3	800mm x 1100mm x 48u cabinet w/ side panels, casters, doors and roof	800	1100	48U
ECX-81152-C3	800mm x 1100mm x 52u cabinet w/ side panels, casters, doors and roof	800	1100	52U
ECX-81224-C3	800mm x 1200mm x 24u cabinet w/ side panels, casters, doors and roof	800	1200	24U
ECX-81242-C3	800mm x 1200mm x 42u cabinet w/ side panels, casters, doors and roof	800	1200	42U
ECX-81245-C3	800mm x 1200mm x 45u cabinet w/ side panels, casters, doors and roof	800	1200	45U
ECX-81248-C3	800mm x 1200mm x 48u cabinet w/ side panels, casters, doors and roof	800	1200	48U
ECX-81252-C3	800mm x 1200mm x 52u cabinet w/ side panels, casters, doors and roof	800	1200	52U

ENCONNEX

DC Series Cabinets

600mm Model

Our DC Series Server Cabinets feature all the commonly requested modifications made standard out of the box. 100% engineered for datacenter or colocation companies, the DC (Data Center) Series Cabinet is the best value on the market without compromising on performance. It is 100% designed for data centers- no customization needed, with unique PDU rails, extended server depth allowance, fewer gaps for better airflow management, and built-in cable management—all for 50% less than the competitors.

Convenient PDU Rails
The PDU is positioned on the side panel, instead of the front, allowing for easy server maintenance.

Increased Server Depth Space
The distance between the front mounting rail and the PDU is 980mm allowing the cabinet to fit longer or oversized servers without the extra depth usually required.

No Gaps for Premium Airflow Management
Designed to eliminate gaps between the front rail and side panels caused by bent cable radius.

Built-in cable management
The cable management slots are custom designed to meet your cable management needs.

Custom Style Cabinet at a Standard Cabinet Price

Buying DC Series Cabinets from Enconnex can save you up to 50%. Ask an Enconnex representative to see a price comparison today.

SEISMIC SPECIFICATIONS

Standard Cabinet	Our standard cabinet can be configured with a zone 4 mounting kit and baying kit to meet current Zone 4 compliancy in seismic areas.
Seismic Cabinet	Our seismic cabinets are engineered to meet current GR-63-CORE, NEBS seismic standards. These cabinets are manufactured with a welded design to ensure structural rigity in seismic areas.

TECHNICAL SPECIFICATIONS

Cabinet Dimensions (W x D)	600 x 1215 mm
Cabinet Style	Floor Standing
Cabinet Heights	42U, 45U, 48U, and 52U Options
Weight Capacity - Stationary	3300 lbs
Weight Capacity - Dynamic	2650 lbs
Casters	3" 770 lbs Load Each
Approvals	EIA/ECA-310-E
Colors	Black, White, and Custom Upon request
Units per pallet	1

BENEFITS

- High-density
- Perfect for data centers
- Arrives fully assembled
- Fast order fulfillment

PRODUCT CERTIFICATIONS

Enconnex Server Cabinets carry all major regulatory certifications, including UL listed, RoHS compliance, and EIA 310A conformance. On top of that, Enconnex is an ISO 9001 certified company. Customer satisfaction and quality are at the forefront of everything we do.

COMPLIANCE/STANDARDS SPECS

EMC Verification	N/A
Safety Verification	UL2416, CSA C22.2 No. 60950-1
Environmental	RoHS

DC SERIES SERVER CABINETS

MODEL MATRIX				
PN	Description	W (mm)	D (mm)	H (RU)
ECX-DC-61242-C3	600mm x 1215mm x 24u cabinet w/ side panels, casters, doors and roof	600	1215	42U
ECX-DC-61245-C3	600mm x 1215mm x 42u cabinet w/ side panels, casters, doors and roof	600	1215	45U
ECX-DC-61248-C3	600mm x 1215mm x 45u cabinet w/ side panels, casters, doors and roof	600	1215	48U
ECX-DC-61252-C3	600mm x 1215mm x 48u cabinet w/ side panels, casters, doors and roof	600	1215	52U

DC Series Cabinets

800mm Model

Our DC Series Server Cabinets feature all the commonly requested modifications made standard out of the box. 100% engineered for datacenter or colocation companies, the DC (Data Center) Series Cabinet is the best value on the market without compromising on performance. It is 100% designed for data centers- no customization needed, with unique PDU rails, extended server depth allowance, fewer gaps for better airflow management, and built-in cable management—all for 50% less than the competitors.

Convenient PDU Rails
The PDU is positioned on the side panel, instead of the front, allowing for easy server maintenance.

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TECHNICAL SPECIFICATIONS

Cabinet Dimensions (W x D)	800 x 1215 mm
Cabinet Style	Floor Standing
Cabinet Heights	42U, 45U, 48U, and 52U Options
Weight Capacity - Stationary	3300 lbs
Weight Capacity - Dynamic	2650 lbs
Casters	3" 770 lbs Load Each
UL Rating	60950
RoHS/ELV Compliance	RoHS Compliant, ELV Compliant
NOM	EP Tested for NOM Compliance
Approvals	EIA/ECA-310-E
Colors	Black, White, and Custom Upon Request
Units per pallet	1

BENEFITS

- High-density
- Perfect for data centers
- Arrives fully assembled
- Fast order fulfillment

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COMPLIANCE/STANDARDS SPECS

EMC Verification	N/A
Safety Verification	UL2416, CSA C22.2 No. 60950-1
Environmental	RoHS

DC SERIES NETWORK CABINETS

MODEL MATRIX				
PN	Description	W (mm)	D (mm)	H (RU)
ECX-DC-81242-C3	800mm x 1215mm x 24u cabinet w/ side panels, casters, doors and roof	800	1215	42U
ECX-DC-81245-C3	800mm x 1215mm x 42u cabinet w/ side panels, casters, doors and roof	800	1215	45U
ECX-DC-81248-C3	800mm x 1215mm x 45u cabinet w/ side panels, casters, doors and roof	800	1215	48U
ECX-DC-81252-C3	800mm x 1215mm x 48u cabinet w/ side panels, casters, doors and roof	800	1215	52U

EdgeRack Cabinets

5M Series

The secure, integrated EdgeRack 5M Series Cabinet from Enconnex is an enclosed, sound-reducing rack solutionwith a built-in rack-mounted cooling unit. This micro data center is ready for your IT equipment and is ideal for areas where space is limited and high noise levels could be a concern. This is a perfect solution for small to medium-sized offices, retail outlets, educational institutions, and remote edge computing locations.

PRODUCT FEATURES

- Plexiglass doors w/ key lock front and rear doors
- Sound dampening, custom EdgeRack side panels
- Custom intake and exhaust
- 2.5" casters and leveling feet
- 5kW rack cooling unit (RCU)

PRODUCT APPLICATIONS

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

Your Own Personal Data Center

This smart cabinet is engineered to serve as your micro data center. Including a built-in cooling unit and power options, all it needs is your IT equipment.

EDGERACK 5M SERIES BENEFITS

Smart Cabinet Solution The entire IT infrastructure (network, storage, and computing) can be housed in one enclosed cabinet that works in traditional and non-traditional IT spaces.

Plug-and-Play The EdgeRack Integrated Cabinet is a plug-and-play module that requires almost zero setup time and allows for the rapid deployment of IT equipment.

Reduced Footprint Save space by consolidating and securing IT equipment in a single cabinet footprint without an outdoor cooling unit.

Cooling Designed with the capacity to cool up to 5kW of computing power in an 11U rack footprint, the Enconnex RCU leads the industry in in-rack cooling capacity within a small form factor.

Security Cabinet security is easily maintained with front and rear locking door handles and side panels. Improve the management and maintenance of critical IT equipment, resulting in increased efficiency and uptime.

TECHNICAL SPECIFICATIONS

Physical	Specs
Cabinet Dimensions (W x D)	23.62" x 47.24" (600mm x 1200mm)
Cabinet Heights	42U, 45U and 48U Options (31U, 34U, 37U Usable)
Max Load Capacity	2998 lbs or 1360 kg
RCU Height	11U - Top of Rack Mount
RCU Cooling Capacity	5 kW
RCU Voltage	208-240V
RCU AC Frequency	50Hz/60Hz
Parts Included	Front/Rear Plexiglass Doors, Side Panels, Intake and Exhaust, 2.5" Casters, Leveling Feet
Hardware Included	Yes

EDGERACK 5M SERIES CABINETS

MODEL MATRIX					
PN	Description	W (mm)	D (mm)	H (RU)	
ECX-ER5M-42U60-A01	ECX-61242 Cabinet (600mm W x 1200mm D x 42U H) ,RCU (Rack Cooling Unit) 5kW, 60Hz, L6-20 Plug	600	1200	42U	
ECX-ER5M-45U60-A01	ECX-61245 cabinet (600mm W x 1200mm D x 45U H), RCU (Rack Cooling Unit) 5kW, 60Hz, L6-20 Plug	600	1200	45U	
ECX-ER5M-48U60-A01	ECX-61248 cabinet (600mm W x 1200mm D x 48U H), RCU (Rack Cooling Unit) 5kW, 60Hz, L6-20 Plug	600	1200	48U	
ECX-ER5M-42U50-A01	ECX-61242 cabinet (600mm W x 1200mm D x 42U H) , RCU (Rack Cooling Unit) 5kW, 50Hz, CEE7/7 Plug	600	1200	42U	
ECX-ER5M-45U50-A01	ECX-61242 cabinet (600mm W x 1200mm D x 45U H) , RCU (Rack Cooling Unit) 5kW, 50Hz, CEE7/7 Plug	600	1200	45U	
ECX-ER5M-48U50-A01	ECX-61242 cabinet (600mm W x 1200mm D x 48U H), RCU (Rack Cooling Unit) 5kW, 50Hz, CEE7/7 Plug	600	1200	48U	

EdgeRack Cabinets

3P Series

The EdgeRack 3P Series from Enconnex is a fully-integrated micro data center solution, providing the power distribution, cooling, uninterruptible power supply (UPS), system management, and security you need all in one enclosed server cabinet. It is a future-proof solution that is deployable in hours, not days. Configured to meet the power and cooling demands of your current technology and adaptable to the needs of future technology as well. EdgeRack 3P allows for future technology migration at no additional cost and minimal disruption. Equipped with 3.5kW of cooling, 3kVA of UPS, power management, environmental sensors, remote monitoring, and intuitive controls. This turn-key solution is 100% ready to be outfitted with your IT equipment. The EdgeRack 3P is ideal for areas where space is limited, heat levels may be a concern, and is the perfect solution for small to medium-sized offices, retail outlets, educational facilities, and remote edge computing locations.

PRODUCT COMPLIANCE

TYPE	SPECS
Safety Compliance	CE-LVD
EMC Compliance	CE-EMC, FCC
Environmental Compliance	RoHS, REACH
IP Rating	IP5X
NEMA Rating	Type 1

PRODUCT FEATURES

- Top-mounted, self-contained cooling unit with efficient variable frequency technology for managing up to 3.5kW of cooling capacity
- Integrated monitoring system with HMI touch screen for intuitive system management and monitoring
- Power control module with breaker panel for precise power management and protection
- Electromagnetic, auto-opening door system forces the doors open in emergency high-heat and power outage situations
- Magnetic, movable temperature / humidity and smoke detection sensors for monitoring your enclosed environment
- Water leakage detection cord at the bottom of the unit to quickly alert you to any moisture risks
- Front glass plus plexiglass door and split metal rear doors with smart locks provide a secure solution for your IT equipment
- Locking side panels for quick side access and added security

Your Own Personal Data Center

This smart cabinet is engineered to serve as your micro data center. Including touch screen monitoring, a built-in cooling unit, power distribution, UPS, and more, all it needs is your IT equipment.

EDGERACK 3P SERIES BENEFITS

Smart Cabinet Solution The entire IT Infrastructure (network, storage, and computing) can be housed in one enclosed cabinet that works in traditional and non-traditional IoT spaces. A fully-integrated design that lets you load your equipment and go.

Plug and Play The built-in, prefabricated, and pretested system has an integrated cooling unit and condensate water processing unit, allowing you to quickly and easily achieve deployment within hours.

Integrated, Highly-Efficient Cooling An integrated, 3.5kW, top-mounted cooling unit efficiently cools your IT equipment by delivering a curtain of cold air down the front of your cabinet. It protects your sensitive electronics without the need for an outdoor condenser.

Smart Sensors Temperature and humidity, smoke, and leak detection sensors are included to help you monitor your enclosed environment.

Reduced Footprint Save space by consolidating and securing IT equipment in a single cabinet footprint without an outdoor cooling unit.

Enhanced Security All of the doors and side panels have locking features, creating a secure environment for your critical IT equipment. Enjoy maximum protection with an intelligent magnetic lock that protects your equipment when outages or cooling failures occur.

Increased Equipment Efficiency & Heat Reduction The smart cabinet's enclosed system, well-insulated cooling aisle, and up to 3.5kW cooling unit with an inverter compressor and EC fans provide highly-efficient protection for your sensitive IT equipment.

Integrated Management Built-in monitoring system with a touch screen user-interface makes it easy to view, receive notifications, and control the unit's running status. The system monitors, controls, and provides alerts on all hardware in the cabinet including the UPS, air conditioning unit, temperature and humidity sensors, and more.

Power Management The included power distribution module provides power-line protection and management, UPS service by-pass (for application with UPS and battery installed), surge protection, and power metering.

TECHNICAL SPECIFICATIONS

Physical	Specs
Cabinet Dimensions (HxWxD)	2025 mm x 600 mm x 1100 mm
Net Weight	330 kg
Cabinet Dimensions - Shipping (HxWxD)	2180 mm x 710 mm x 1210 mm
Shipping Weight	374 kg
Max Load Capacity	2998 lbs (1360 kg)
Available Unit Height	26U
Cooling Unit Dimensions (Top Mount) (HxWxD)	389 mm x 600 mm x 1100 mm
Site Positioning	2.5" Heavy-Duty Casters and Leveling Feet
Input Voltage	208V - 240V
AC Frequency	50Hz and 60Hz

DefenseShield™

EMC Hardened RF Shielded Cabinet

The DefenseShield Cabinet 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.

Lightweight, Rugged Construction
Rack weight does not limit installation location

Standard Rack Footprint
Seamless integration into data center layout

Cooling
10x 235 CFM fans provide 10kW+ of cooling to support dense installations

Customizable I/O
Customizable I/O panels allow for signal and fiber connectivity

PRODUCT APPLICATIONS

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

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

Innovation
- Mobile device testing.
- Segregation of wireless networks; In-rack wireless networks.

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

TECHNICAL SPECIFICATIONS

Physical	Specs
Dimensions (HxWxD)	88.74" x 26.49" x 56.97" (2254mm x 600mm x 1303mm)
Max Mounting Depth	990mm
# of RUs - Usable Space	42U
Net Weight	375 lbs or 170 kg
Weight Capacity (dynamic load)	1500 lbs (453 kg)

Why Choose DefenseShield?

Engineered for military-grade performance. The DefenseShield EMC Hardened Enclosure is a scalable, lightweight, and cost-effective shielded rack that protects sensitive IT equipment from EMI and RFI interference.

Military Grade Performance
DefenseShield provides advanced shielding for cybersecurity and device testing.

Custom Integration & Extras
Through Enconnex, customers can select a variety of shelves, power options, etc. from one vendor.

Cost-Effective
Many of the higher performance competitors are 50%-100% more expensive.

Scalability
Allows testing to scale from several devices in a single enclosure to thousands of devices across multiple racks.

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

High Performance
Built for effectively attenuating signals from 1MHz to 18GHz.

Cybersecurity
DefenseShield provides technical surveillance countermeasure (TSCM) for cybersecurity-mitigating risks from power analysis and electromagnetic interference (EMI) side-channel attacks.

Real Device Testing
DefenseShield allows the dense installation of wireless devices (400 phones) while eliminating interference and providing cooling. Allowing for website, app, and cybersecurity testing.

PRODUCT FEATURES

DOORS
- Two (2) doors: one (1) front door and one (1) rear door
- Single point vertical door handle with lift-off hinges
- Six (6) latches per door
- One (1) hasp lock per door
- Five (5) replaceable air filters on front door

ELECTRICAL
- Two (2) 20 AMP, 250V locking receptacles (internal)
- Two (2) 20 AMP, 250V locking plugs (external)
- Two (2) power cords, 10 feet
- Ground bar system (optional)

I/O PANEL
- Blank I/O panel (installed on bottom)
- Populated I/O panel
  - Installed on top
  - Two (2) SplitFORM fiber optic waveguides

MOUNTING RAILS
- Four (4) adjustable 19-inch square hole rails
- Rails marked with rack units

COOLING
- 10 kW cooling with a 25° delta
- Ten (10) 235 CFM fans with 60k hour L10 life expectancy

HONEYCOMB AIR VENTS
- Ten (10) honeycomb air vents (5 per door)
- Five (5) replaceable air filters installed on intake 60k hour L10 life expectancy

PROVIDED ACCESSORIES
- Four (4) leveling feet
- Two (2) floor mounts
- Four (4) casters

ATTENUATION PERFORMANCE
- 90 dB @ 1 GHz
- 85 dB @ 2.4 GHz
- 85 dB @ 5 GHz
- 85 dB @ 10 GHz

ENCONNEX®

IT Furniture Cabinet

Made to Last

The Enconnex Furniture Cabinet is a durable raised cabinet engineered to safely house and protect all shelf mountable equipment. Our efficient design provides maximum airflow and ventilation for superior temperature control. The available wood finish provides a more natural appearance.

PRODUCT FEATURES

- High-quality steel construction
- Durable powder coating
- Raised cabinet
- Floor ventilation and fan systems
- Door fan systems
- Color: wood finish
- Key entry dual front/rear doors
- Key entry dual side panels
- 4 casters for mobility

PRODUCT APPLICATIONS

The Furniture Cabinet is a great way to securely store your personal equipment out of sight but within reach. The raised design and added casters give the cabinet excellent mobility and the sleek wood finish allows the cabinet to fit seamlessly into nearly any environment. It is a great choice for small businesses or personal use.

The Office IT Server Room Cabinet

Offering style, mobility, and security, the IT Furniture Cabinet was designed to fit seamlessly into non-traditional IT environments. A cost-effective, high-quality solution for retail locations, conference rooms, and more.

TECHNICAL SPECIFICATIONS

PHYSICAL	SPECS
Cabinet Dimensions (HxWxD)	56.29" x 28.74" x 45.47" (1430 x 730 x 1155 mm)
Cabinet Dimensions - Shipping (HxWxD)	62.2" x 30.7" x 47.24" (1580 x 780 x 1200 mm)
Color	Wood Finish
# of RU Spaces	30 RU
Net Weight	381.4 lbs (173 kg)
Shipping Weight	430.6 lbs (195.3 kg)
Rack Mount Width	19" (482 mm)
Rack Mount Depth	29.5" (750 mm)
Load Capacity (Static)	1765 lbs (800 kg)
Load Capacity (Dynamic)	1100 lbs (500 kg)
Max Recommended Thermal Load	3.5 kW
Power Consumption	91 Watts
Noise	61 dBA
Noise Reduction	14 dBA
Parts Included	Front Door, Left Rear Door, Right Rear Door, Side Panel - 2pcs, Mounting Rails - 4pcs, PDU Bar - 4pcs

CABINET BENEFITS

High-quality, stylish, and functional. It saves you space, gets you up and running fast, and it's a great value.

- Put it anywhere: retail locations, conference rooms, branch or small offices
- Value priced
- Noise reducing and secure
- More capacity for your IT and AV equipment
- Operates on 100V - 240V power
- Available in 24U and 30U options
- Quality hinges, fans, and casters
- Tested for heat and workload tolerance
- Easy to move, set up, and deploy (plug & play design)

PRODUCT COMPLIANCE

TYPE	SPECS
Environmental Compliance	RoHS
Fan	UL Listed, DC Fan
Wood	EPA TSCA Title VI compliant
PSU	UL Listed

IT FURNITURE CABINETS

	MODEL MATRIX			
PN	Description	W (mm)	D (mm)	H (RU)
ECX-71224-FNT-WD	Furniture cabinet 730mm x 1155mm x 24U build in fandoors for upto 2.4 kw load, 20 db noise reduction, wood finish	730	1155	24U
ECX-71230-FNT-WD	Furniture cabinet 730mm x 1155mm x 30U build in fandoors for upto 3.5 kw load, 20 db noise reduction, wood finish	730	1155	30U

ENCONNEX

High-quality solutions at the right price.

AMSTERDAM, NETHERLANDS

SHANGHAI, CHINA
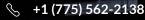
RENO, NEVADA

BANGALORE, INDIA

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.

ENCONNEX®
Born to Innovate™

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