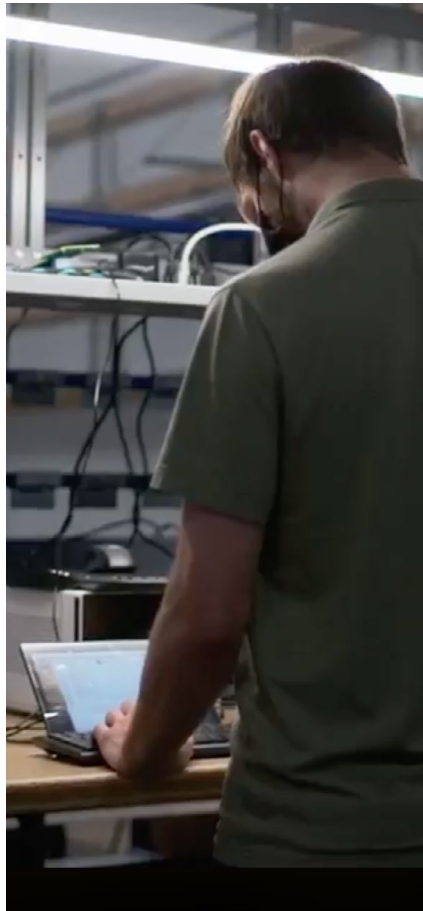**ꞓꞓ ENCONNEX**®

Born to Innovate

Data center and IT infrastructure products and solutions tailored to your business.
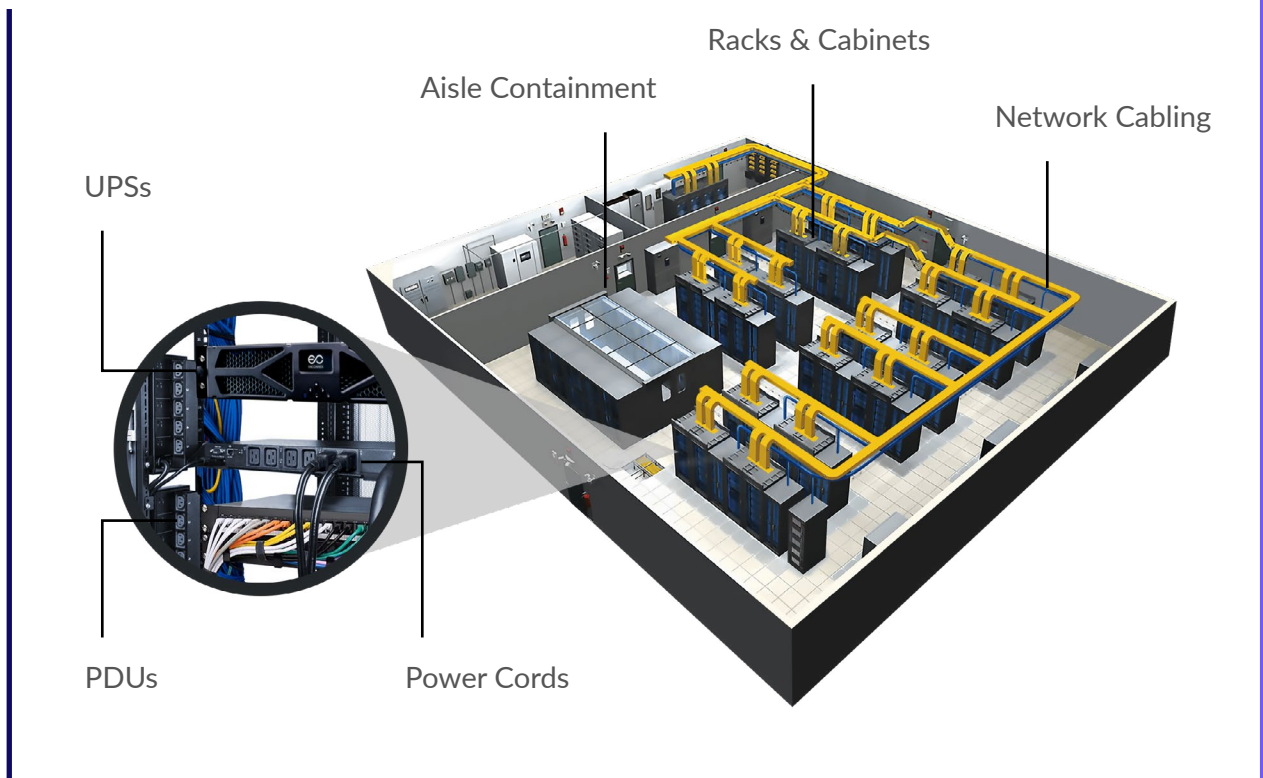
Who is Enconnex?

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. From our 60,000 square foot manufacturing facility and warehouse in Reno, NV, to our warehouses and locations in Amsterdam, China, and India, we have the inventory available and logistics expertise to get you what you need when you need it.

Our Products in the Data Center

Racks & Cabinets

Aisle Containment

Network Cabling

UPSs

PDUs

Power Cords

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.

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Server Racks and Cabinets

ECX Series Cabinets

The Enconnex ECX Series Server Cabinet is designed and engineered for demanding data center environments. The durable, solid steel construction provides some of the best load ratings in the industry.

DC Series Server Cabinets:

Customized cabinets at standard cabinet pricing. The DC (data center) Series Cabinets from Enconnex, designed by our expert engineering team with years of experience in data center engineering and design, are the first server cabinets specifically created for data centers.

DefenseShield™
EMC Hardened Enclosure
RF Shielded Cabinet

The DefenseShield™ EMC Hardened Enclosure RF Shielded 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.

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 and real device testing.

APPLICATIONS

Cybersecurity

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

Innovation

- Real device testing.
- Segregation of wireless networks; in-rack wireless networks.

Communications

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

KEY FEATURES

Lightweight, Rugged Construction

- Rack weight does not limit installation locations.

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

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

2-Bay Server Cabinet

The 45U 2-Bay Server Cabinet is a two-compartment configuration with 22U in the top compartment and 22U in the bottom compartment. Each compartment is secured with a three-digit combination lock with key override. Each cabinet comes with 19" rackable mounting rails. The server rack supports power from overhead or raised floors.

2-Post Rack

The Enconnex 45U 2-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.

Furniture Cabinet

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. The Furniture Cabinet comes in 24U and 30U.

Micro Data Centers and Edge Computing

EdgeRack is like having an on-site data center.

The EdgeRack is designed to serve as your company's secure, self-contained networking solution. The server cabinets are available in two models with power, cooling, monitoring, sound-dampening features, and more available.

EdgeRack 3P Series

The EdgeRack 3P Series from Enconnex is a fully-integrated enclosure system that provides the power, cooling, management, and security you need in a small footprint. Equipped with 3.5kW of cooling, power management, environmental sensors, remote monitoring, and intuitive controls. This turn-key solution is 100% ready to be outfitted with whatever equipment you need to power your business. The 3P Series is ideal for areas where space is limited or heat levels could be a concern and is a perfect solution for small to medium offices, retail outlets, educational institutions, and remote edge computing locations.

EdgeRack 5M Series

The EdgeRack 5M Series from Enconnex is an enclosed, sound-dampening rack solution built with an integrated, rack-mounted cooling unit with up to 5kW of cooling power. This system is ready for your IT equipment and is ideal for areas where space is limited and high noise levels could be a concern. It's a perfect solution for small to medium offices, retail outlets, educational institutions, and remote edge computing locations.

PRODUCT FEATURES

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

APPLICATIONS

- Small to mid-sized offices
- Educational institutions
- Remote or branch offices
- Medical facilities
- Retail stores
- IT test labs
- Clean room environments

*Also available with the AC6000 UPS

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

Tilt Window System

Support Panels

Fixed Ceiling Tiles

Vertical Exhaust Duct

VED Chimney Passthrough

Power

Complete PDU Product Line

The power distribution units (PDUs) from Enconnex for network server racks and cabinets are reliable and cost-effective. Enconnex offers a full product line of basic, metered, switched, and universal PDUs.

Basic PDUs

The Enconnex Basic PDU distributes power to devices in the rack and is configured with premium high-temperature, branch-rated hydraulic-magnetic circuit breakers. Labeled outlets and circuit breakers allow for easy identification of circuit configuration and reduced connectivity errors. Ultra-low profile design reduces space when installed in the IT cabinet and improves airflow efficiency.

PRODUCT FEATURES

- Premium high-temperature branch rated magnetic hydraulic circuit breaker
- Ultra-low-profile design
- Alternate-branched outlets
- High-density outlet arrangement

Input Metered PDUs

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

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

- Includes all of the features of the inlet metered PDU
- 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 PDUs

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.
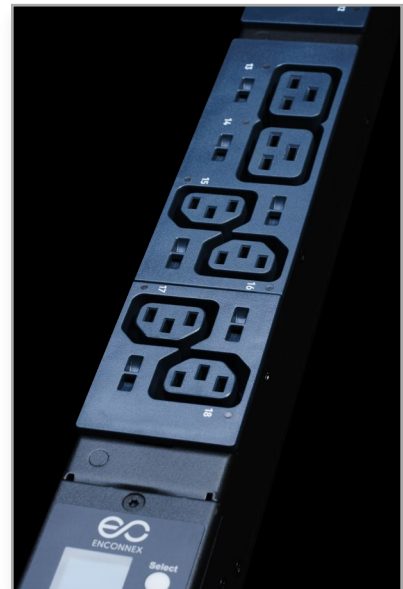
PRODUCT FEATURES

- Includes all of the features of the inlet metered PDU plus:
- 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

Outlet Metered, Outlet Switched PDUs

Switched outlets allow power-up equipment sequencing, remote reboot, and outlet access control.

PRODUCT FEATURES

- Includes all of the intelligent features of our PDUs
- 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

UPDUs

The Enconnex UPDUs make global data center infrastructure and network power easy because of their versatility. UPDUs support standard AC power configurations and simplify global IT infrastructure needs.

Enconnex offers must-have UPDU accessories to pair with your UPDU to ensure compatibility in any region. Check out our 7-Pin Universal Connector and Inline Switching Cordset at catalog.enconnex.com for more information.

PRODUCT FEATURES

- Premium high-temperature branch-rated magnetic hydraulic circuit breaker
- Universal 7-pin input connector
- Color-coded IEC outlets
- High-density outlet arrangement

- Power for data center rack equipment
- Colocation facilities
- MDF, IDF, data center, computer room, data room environment

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 connectors.

C13 Power Cords

C14 Power Cords

C15 Power Cords

C18 Power Cords

C19 Power Cords

C20 Power Cords

Uninterruptible Power Supply

AC6000 Li-Ion UPS

The Enconnex AC6000 Lithium-Ion UPS utilizes less space in the server rack and allows for greater server rack capacity than alternative UPS solutions. The extended runtime of the lithium-ion battery technology provides a longer lifetime value of the UPS. Less power consumption, lighter weight, and longer battery life equals operational cost savings that impact immediate and long-term budgets.

PRODUCT FEATURES

- 6kW of lithium-ion power
- For six full minutes
- 330% increased life over lead acid
- Fast recharge
- 1-hour recharge to 90%
- Maintenance-free/service-free
- Up to 7 years of battery life compact design
- 2U of rack space
- 50% - 75% lighter than lead-acid
- Advanced battery management
- Full state of health and charge
- Controls, protects, and informs
- Thermal management of cells
- Larger operating temperature

- Deliver full power and run-time, even at 40C
- Peak Shave capability
- Supplements the grid with available lithium-ion power
- Smart communication
- Supports serial & SNMP
- Remote HTTP dashboard
- Supports IPv4 and IPv6
- Multifunction LCD panel
- Reports critical performance metrics
- Cost of ownership
- No battery replacement necessary
- ROI in as little as two years
- Operational savings using the Peak Shave feature

Cabinet Accessories

Large Selection

Enconnex offers a large selection of accessories to pair with our server cabinets. From door kits to PDU bars, our products ensure that your data center runs at full capacity as efficiently as possible.
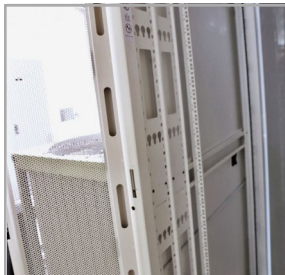
Doors Kits

Side Panels

Bottom Panels

Mounting Rails

PDU Bars

Blanking Panels

Cable Management

Equipment Shelving

Modular Fan Door

The Enconnex Fan Door can be installed on a 600mm wide server cabinet to speed up the air circulation inside and outside the cabinet and achieve faster heat dissipation. The fan door is equipped with a modular fan unit group that distributes a large volume of air throughout the unit. Our fan door is built to a high standard of safety, is reliable, and requires only simple maintenance. It is suitable for 45U, 48U and 52U server cabinets and has front door (intake) and back door (exhaust) versions. This product has UL, FCC, CE certifications.

PRODUCT FEATURES

- The LED indicator light for ON/OFF power control
- C14 inlet power plug
- Individual fuse per fan module protects the circuit from current overload.
- Cut-off switch to de-energize the fans when the door is open

APPLICATIONS

- Supplying superior ventilation to fully stocked server cabinets
- Powerful fan layout offers high cooling efficiency
- DC current allows for the easy adoption of multiple voltage levels

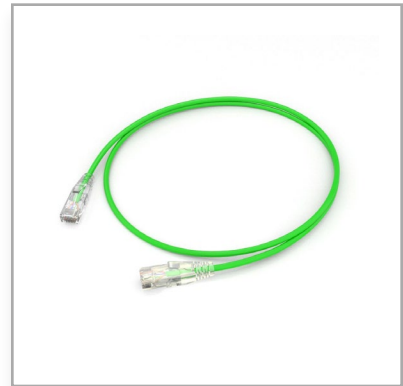# Connectivity

Copper Cabling

The Enconnex line of copper cabling is made with copper wiring to ensure premium connectivity and backward compatibility. All Enconnex patch cords are manufactured and tested to the highest quality and industry standards. Each patch cord is assigned a unique serial number with various jacket colors and custom label options available.

Cat5e

Cat5e Small OD

Cat6

Cat6 Small OD

Cat6a

Cat6a Small OD

High-Speed Copper

The Enconnex line of high-speed copper cabling is engineered to seamlessly integrate with all Enconnex cabinet cable management products. These cables offer customers low latency, reduced power consumption, and great overall performance. An ideal solution for customers looking for high speeds at a low price.
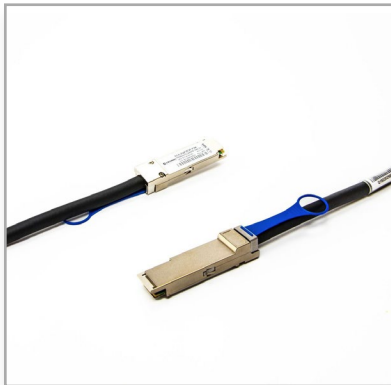
SFP+ (10G) DAC

SFP28 (25G) DAC

QSFP+ (40G) DAC

QSFP28 (100G) DAC

QSFP+ (40G) to 4x SFP+ (10G) DAC

QSFP28 to 4SFP28 Pass Copper Cable

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+ (10G)
SR Transceiver

SFP+ (10G)
LR Transceiver

QSFP+ (40G)
SR4 Transceiver
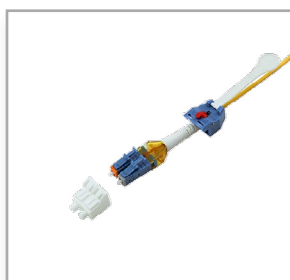
QSFP+ (40G)
LR4 Transceiver

QSFP28 (100G)
SR4 Transceiver
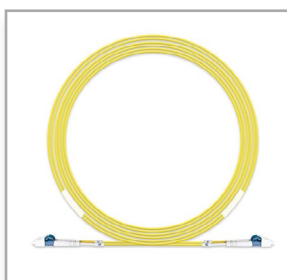
QSFP28 (100G)
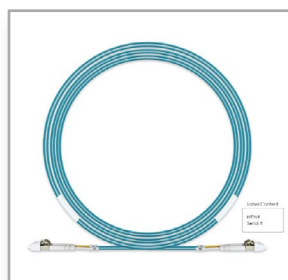**LR4 Transceiver**

Fiber Cables

The Enconnex fiber cables are manufactured and tested to the highest quality standards. All Enconnex patch cords include a test report and are assigned a unique serial number for traceability.

LC-LC Uni-boot

LC-LC Duplex Singlemode

LC-LC Duplex Multimode OM3 / OM4

MTP-MTP Singlemode

MTP-MTP Multimode OM3 / OM4

MTP-LC Singlemode
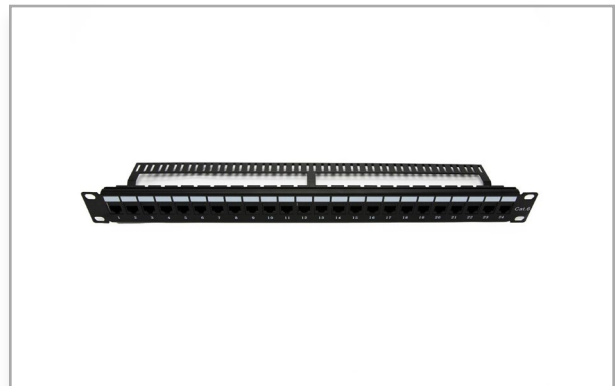

MTP-LC Multimode OM3 / OM4

Fiber Loopbacks Singlemode
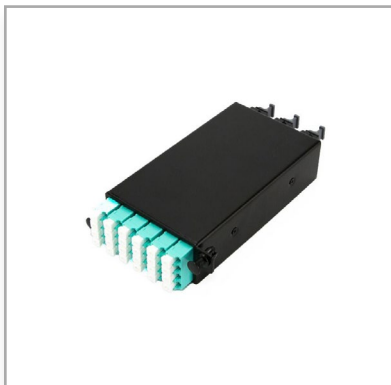
Panels and Cassettes

Enconnex panels and cassettes are available to help maintain and improve the health and performance of your network cabling environment.
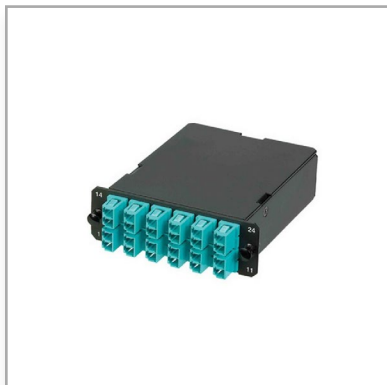

HD Patch Panel

Pass-Through Panel

HD MTP to LC Cassette

HD MTP to MTP Cassette

Blank Panel Plate

Adapters

Enconnex adapters allow users to interconnect and align two connectors of the same type with precision. They are available in multiple configurations.

MTP Adapter

MTP Adapter Faceplate

LC Singlemode Adapter

LC Multimode Adapter

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.