ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Intelligent Data Center Rack Manufacturer



Overview

Rakworx RakworX, a trusted partner for VARs, Resellers, Low Voltage Contractors, and IT Consultants in the data center industry. With Data Center & IT Infr.

Key Takeaways

Leading intelligent data center rack manufacturers include Schneider Electric, Vertiv, Eaton, Rittal, and HPE, offering AI-enabled, modular, and high-density rack solutions.Top Manufacturers and Their Offerings

Schneider Electric is a global leader in smart rack solutions, integrating sensors, airflow analytics, and hybrid cooling for high-density and AI-ready data centers, often collaborating with NVIDIA for liquid-cooled AI racks . Vertiv provides modular and scalable racks with intelligent power distribution units (PDUs) and monitoring capabilities, supporting predictive maintenance and energy efficiency. They recently expanded their portfolio by acquiring Great Lakes Data Racks & Cabinets . Eaton focuses on energy-efficient rack architectures, including 800 VDC power systems for next-generation AI and HPC environments, enhancing both performance and sustainability . Rittal and HPE offer integrated rack and power ecosystems, combining modularity, high-density support, and smart monitoring to optimize space and operational efficiency . Other notable players include Dell Technologies, Fujitsu, IBM, Cisco, Huawei, Oracle, Panduit, Belden, Legrand, and nVent, many of which are expanding into modular, AI-enabled, and edge-focused rack solutions .

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Key Features of Intelligent Racks
• AI and Sensor Integration: Real-time monitoring of temperature, airflow, and power consumption for predictive maintenance .

• High-Density and Modular Design: Supports hyperscale and edge deployments with scalable configurations .

• Energy Efficiency: Optimized airflow and hybrid cooling reduce operational costs and carbon footprint .

• Software-Defined Management: Virtualized control of physical racks for dynamic resource allocation and improved efficiency .

• Edge and Hyperscale Readiness: Compact, rugged designs suitable for distributed and high-performance computing environments .
Market Trends

The intelligent data center rack market is projected to grow from USD 5.17 billion in 2025 to USD 9.42 billion by 2030, driven by hyperscale and colocation buildouts, AI workloads, and the adoption of smart rack ecosystems . Vendors embedding power, cooling, and monitoring directly into rack architecture are shaping the next growth curve, emphasizing sustainability, automation, and AI-driven management . These manufacturers and innovations provide a comprehensive solution for modern data centers seeking scalable, energy-efficient, and intelligent rack infrastructure.

Article Content

Rakworx

RakworX, a trusted partner for VARs, Resellers, Low Voltage Contractors, and IT Consultants in the data center industry. With

Data Center & IT Infrastructure Manufacturer | Server

Introducing InfiniRack, the new standard for data center cabinets. Expanding the boundaries of data center

Data Center Rack Companies

This list of the top companies of Data Center Rack is drawn from assessments by Mordor Intelligence analysts and expert advisors

Technology & Data Centers

Frazier''s expertise goes beyond racks – our ability to design, develop, and deliver complete data center solutions saves time, energy,

Data Center Equipment Supplier | Custom Carts, Racks & Trolleys

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

DCube is a data center equipment fabricator that custom engineers open frame racks, crash carts, server & staging racks to exact

Optimize Data Center Space with Reliable Server Racks and ...

Ensure efficient data center space utilization with reliable server racks and network cabinets. Vertiv™ offers innovative racks and

Data Rack Technologies

Data Rack Technologies is a leading manufacturer and supplier of high-quality data center racks, server cabinets, and customized

Intelligent Server Racks | Intelligent server rack manufacturers

As data centers grow to meet the needs of new technologies like cloud computing, artificial intelligence, and the Internet of Things,

Racks & Cabinets | Legrand Data Center Solutions

Racks & Cabinets Data centers replace their IT equipment much faster than the infrastructure hosting them. For example, a cabinet

Facilities, Enclosures, and Racking Systems | IT

You want optimal performance, easy deployment and scalability for your IT systems and data centers. Our

Schneider Electric Launches New Data Center Solutions to Meet ...

These enhanced EcoStruxure offerings add to Schneider Electric''s robust line of fully integrated, end-to-end AI

US Data Center Rack Companies

Mordor Intelligence highlights the top companies of US Data Center Rack and provides details on leaders as well as major players of

Netrack | Server Enclosures | Network Enclosures

NetRack India – Leading manufacturer of high-quality server racks, network enclosures, and cable

Server Racks & Cabinets | Maysteel Industries

From high-performing computing systems to cloud storage, hybrid environments, and everything in

OEM Rack PDU Solutions: Smart Power Distribution Unit for Global Data ...

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

What Is a PDU? A Power Distribution Unit (PDU) is a critical device for distributing reliable electricity to multiple IT or

Server and Network Cabinets | Legrand

Legrand Server and Network Cabinets Legrand is a global provider of data center server and network cabinets, providing fully

AI Server Racks | High-Performance Rack Cabinets for Advanced

AI Server Racks Buy AI Server Racks AI server racks are specialized rack cabinets designed to support the physical and operational

Optimize Data Center Space with Reliable Server Racks and ...

Ensure efficient data center space utilization with reliable server racks and network cabinets. Vertiv™ offers innovative racks and

Data Rack Technologies

Data Rack Technologies is a leading manufacturer and supplier of high-quality data center racks, server cabinets, and customized

Intelligent Server Racks | Intelligent server rack manufacturers

As data centers grow to meet the needs of new technologies like cloud computing, artificial intelligence, and the Internet of Things,

Racks & Cabinets | Legrand Data Center Solutions

Racks & Cabinets Data centers replace their IT equipment much faster than the infrastructure hosting them. For example, a cabinet

Facilities, Enclosures, and Racking Systems | IT

You want optimal performance, easy deployment and scalability for your IT systems and data centers. Our

Schneider Electric Launches New Data Center Solutions to Meet ...

These enhanced EcoStruxure offerings add to Schneider Electric''s robust line of fully integrated, end-to-end AI

Intelligent Power Distribution Units

With various options available, including plug-and-play sensors, the industry is turning to Intelligent Power Distribution Units to meet

Data Center Cabinets and Server Rack Cabinets

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Explore server cabinets and data center cabinets designed for high-density IT environments. CPI rack cabinets support airflow, cable

Flex data center racks and enclosures

Optimize your AI data center racks with Flex''s ORv3-compliant or fully custom designs built for AI and high-density

Server, Network, & Data Center Racks, Cabinets,

Browse server, network, & data center racks, cabinets, shelves, & cable managers from a premier

US Data Center Rack Companies

Mordor Intelligence highlights the top companies of US Data Center Rack and provides details on leaders as well as major players of

Netrack | Server Enclosures | Network Enclosures | Server Racks

NetRack India – Leading manufacturer of high-quality server racks, network enclosures, and cable management solutions for data

Server Racks & Cabinets | Maysteel Industries

From high-performing computing systems to cloud storage, hybrid environments, and everything in between, Maysteel has custom

OEM Rack PDU Solutions: Smart Power Distribution Unit for Global Data ...

What Is a PDU? A Power Distribution Unit (PDU) is a critical device for distributing reliable electricity to multiple IT or

Rakworx

RakworX, a trusted partner for VARs, Resellers, Low Voltage Contractors, and IT Consultants in the data center industry. With

Data Center & IT Infrastructure Manufacturer | Server

Introducing InfiniRack, the new standard for data center cabinets. Expanding the boundaries of data center

Data Center Rack Companies

This list of the top companies of Data Center Rack is drawn from assessments by Mordor Intelligence analysts and expert advisors

Technology & Data Centers

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Frazier''s expertise goes beyond racks – our ability to design, develop, and deliver complete data center solutions saves time, energy,

Data Center Equipment Supplier | Custom Carts, Racks & Trolleys

DCube is a data center equipment fabricator that custom engineers open frame racks, crash carts, server & staging racks to exact

SmartRack Modular Data Centers | Overview

Tune in for an in-depth look at the SmartRack Modular Data Center, which integrates an IT rack, cooling

Server, Network, & Data Center Racks, Cabinets,

Browse server, network, & data center racks, cabinets, shelves, & cable managers from a premier

Data Center Suppliers | Data Center Manufacturers, Custom Server

From machining to assembly, Vander-Bend manages every detail of your data center infrastructure project with U.S.-based precision

Top Data Center Rack Server Tools: Market Share

Compare the top 7 data center rack server companies. Our Senior Analysts evaluate Dell,

Server Racks & Cabinets | Maysteel Industries

From high-performing computing systems to cloud storage, hybrid environments, and everything in

Rakworx

RakworX, a trusted partner for VARs, Resellers, Low Voltage Contractors, and IT Consultants in the data center industry. With

Data Center & IT Infrastructure Manufacturer | Server

Introducing InfiniRack, the new standard for data center cabinets. Expanding the boundaries of data center

Data Center Rack Companies

This list of the top companies of Data Center Rack is drawn from assessments by Mordor Intelligence analysts and expert advisors

Technology & Data Centers

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Frazier''s expertise goes beyond racks – our ability to design, develop, and deliver complete data center solutions saves time, energy,

Data Center Equipment Supplier | Custom Carts, Racks & Trolleys

DCube is a data center equipment fabricator that custom engineers open frame racks, crash carts, server & staging racks to exact

SmartRack Modular Data Centers | Overview

Tune in for an in-depth look at the SmartRack Modular Data Center, which integrates an IT rack, cooling

Server, Network, & Data Center Racks, Cabinets,

Browse server, network, & data center racks, cabinets, shelves, & cable managers from a premier

Data Center Suppliers | Data Center Manufacturers, Custom Server

From machining to assembly, Vander-Bend manages every detail of your data center infrastructure project with U.S.-based precision

Top Data Center Rack Server Tools: Market Share

Compare the top 7 data center rack server companies. Our Senior Analysts evaluate Dell,

Server Racks & Cabinets | Maysteel Industries

From high-performing computing systems to cloud storage, hybrid environments, and everything in

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved