

RIVO MULTITRADE OPTICAL SYSTEMS

Central Asian Five Countries CIF Price Modular Data Center Rack Type



Overview

Central Asian Five Countries OEM Modular Data Center Rack Type Rack-based modular systems bring together IT racks, cooling units, service enclosures, and mo.

Key Takeaways

CIF pricing for rack-type modular data centers in Central Asia depends on modular type, shipping logistics, and regional infrastructure, with market trends indicating growing adoption and investment. Market Overview in Central Asia

The Central Asia data center market was valued at USD 65 million in 2022 and is projected to reach USD 179.7 million by 2028, growing at a CAGR of 18.47%. Key drivers include telecom operators expanding hosting and colocation services, 5G deployment in countries like Uzbekistan, Kazakhstan, and Azerbaijan, and increasing digitalization and internet penetration across the region . The market is currently in an undersaturated phase, suggesting that new modular deployments are likely to be cost-competitive and scalable.

Modular Data Center Rack Types

Modular data centers are typically offered in rack-type configurations, including:

- All-in-One Modules: Integrated units combining IT, cooling, and power systems, accounting for the largest market share in 2025 at 40% .

- IT Modules: Individual functional racks that can be scaled or relocated independently.
- Containerized Data Centers: Prefabricated 20- or 40-foot containers housing multiple racks, offering rapid deployment, portability, and high power density . These rack-type modular solutions are designed for flexibility, disaster recovery, and edge computing, which is particularly relevant for Central Asia's geographically dispersed infrastructure.

CIF Pricing Considerations

While exact CIF prices vary by supplier, configuration, and shipping logistics, the following factors influence costs:

- Modular Type and Capacity: All-in-one modules and containerized racks with higher power density cost more due to integrated cooling and power systems .
- Shipping and Insurance: Central Asia is landlocked, so CIF pricing includes overland freight from ports in Russia, Georgia, or China, plus insurance. Limited submarine cable connectivity increases logistical complexity .
- Local Infrastructure and Customs: Import duties, local assembly, and site preparation costs can add 10–20% to the base modular price.
- Market Trends: Prefabricated modular data centers globally cost less than half of traditional construction, with rapid deployment reducing operational downtime . This cost advantage is expected to apply in Central Asia as well.

Estimated CIF Price Range

Based on global modular data center costs and regional logistics:

- Small rack-type modules (10–20 kW per rack): Approx. USD 50,000–80,000 per rack CIF.
- Medium to large containerized racks (40–100 kW per container): Approx. USD 150,000–300,000 per container CIF.
- Prices may vary depending on supplier, power density, cooling type, and delivery route.

Key Suppliers and Deployment

Global and regional suppliers active in Central Asia include:

- Huawei, NEC, and NTT Communications: Providing containerized and prefabricated modular solutions .
- Local telecom operators: Rostelecom and DataPro are investing in Armenia and Uzbekistan, indicating potential for regional sourcing and assembly.

Conclusion

CIF pricing for rack-type modular data centers in the Central Asian Five countries is influenced by modular type, shipping logistics, and local infrastructure. While exact prices vary, small racks may cost USD 50k–80k CIF, and larger containerized racks USD 150k–300k CIF, with potential adjustments for customs, insurance, and site preparation. The market is growing rapidly, driven by 5G deployment, digitalization, and demand for scalable, disaster-resilient infrastructure .

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