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Europe Micro Data Center Market Forecast to 2030 - Regional Analysis - By Rack Type (Single Rack and Multi Rack), Organization Size (Large Enterprises and SMEs), and End User (IT & Telecom, BFSI, Retail, Healthcare, Manufacturing, and Others)

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Abstracts

The Europe micro data center market was valued at US$ 999.58 million in 2022 and is expected to reach US$ 2,654.64 million by 2030; it is estimated to grow at a CAGR of 13.0% from 2022 to 2030.

Increasing Deployment of 5G Services Fuels the Europe Micro Data Center Market

The deployment of 5G is expected to significantly increase the volume of data traffic, as 5G offers high-speed data and lower latency compared to 4G and other networks. According to the Cisco company's report published in 2022, 5G is expected to support more than 10% of the world's mobile connections by the end of 2023, with an average speed of 575 Mbps, i.e., 13 times faster than the average mobile connection. Due to increased data traffic, businesses and enterprises are seeking a location to store, process, and distribute their data more efficiently and reliably, contributing to the need for micro data centers. Moreover, the major advantage of 5G deployment is its ability to support a wide range of IoT services and applications, such as autonomous vehicles and industrial automation. These applications generate large amounts of data, which needs to be processed in real time and stored securely. Micro data center facilities offer a cost-effective and scalable solution for storing and processing this data, providing high security, redundancy, and connectivity. Furthermore, businesses seek to deploy 5G applications and services in their areas with limited network infrastructure with 'Data sovereignty.' This practice allows micro data center providers to offer services such as enhanced network connectivity and disaster recovery.

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Several micro data center providers are launching data centers and their services across the countries. For instance, in November 2022, Rittal launched new micro data centers, which are compact, robust, and fully-fledged homes for IT hardware. The RiMatrix micro data centers are equipped with matching OT components such as rack, power, cooling, monitoring, and security to ensure that it is securely packed and operates with the smallest carbon emissions, regardless of the location. Further, with regional standardization and increased adaptability, these new packages offer more advantages to consumers. In addition, in June 2022, Schneider Electric launched its micro data center service in Europe. They provide micro data centers, ranging from 27kW to 80kW, designed for Edge locations or smaller users. Micro data centers use 5G services to handle the exponential growth in data consumption, edge computing, IoT devices, cloud computing, and digital services. Therefore, the increasing deployment of 5G services is expected to offer lucrative opportunities for the Europe micro data center market growth in the coming years.

Europe Micro Data Center Market Overview

Europe has strong manufacturing sectors incorporating the latest technologies, such as robotics, 5G, and machine learning, to increase productivity. The government of Europe drafted an Industry 4.0 initiative to encourage digitization. With the rise in the number of connected industries, the demand for robust IT and cloud infrastructure solutions is increasing, fueling the growth of the region's micro data center market. In February 2023, Vapor IO deployed on-premise AWS Outposts at the Cellnex tower site in Barcelona, Spain. The AWS Outposts is an entirely managed service that extends AWS services, AWS infrastructure, APIs, and tools to virtually any data center, co-location space, or on-premises facility.

The rise of small and medium-sized enterprises (SMEs) adopting advanced digital technologies contributed to the micro data center market growth. The colocation sector is getting traction in the region because SMEs face budgetary constraints in constructing data centers. Colocation providers provide data storage services to these SMEs. For instance, Equinox Inc., a data center and colocation provider, has 62 centers in Europe and the Middle East. The colocation sector's growth propels the demand for high-quality and efficient data handling.

Europe Micro Data Center Market Revenue and Forecast to 2030 (US$ Million)

Europe Micro Data Center Market Segmentation

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Based on rack type, the Europe micro data center market is bifurcated into single rack and multi rack. The single rack segment held a larger share in 2022.

Based on organization size, the Europe micro data center market is bifurcated into large enterprises and SMEs. The large enterprises segment held a larger share in 2022.

Based on end user, the Europe micro data center market is segmented into BFSI, retail, IT and telecom, manufacturing, healthcare, and others. The IT and telecom segment held the largest share in 2022.

Based on country, the Europe micro data center market is segmented into Germany, France, the UK, Italy, Russia, and the Rest of Europe. The UK dominated the Europe micro data center market in 2022.

Hitachi Ltd, Rittal GmbH & Co KG, Legrand SA, Schneider Electric SE, Vertiv Group Corp, Eaton Corp Plc, Hewlett Packard Enterprise Development LP, Delta Electronics Inc, and Huawei Technologies Co Ltd are some of the leading companies operating in the Europe micro data center market.

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