

How much does a micro-module data center in Ireland cost

Article Overview

A micro-module data center in Ireland typically costs between EUR50,000 and EUR250,000, depending on size, power capacity, and cooling requirements.

Overview

Micro modular data centers are self-contained, pre-built units that include servers, power backup, cooling, security, and monitoring in a compact, plug-and-play design . They are ideal for small businesses, bank branches, healthcare clinics, telecom base stations, or edge computing sites where space is limited and rapid deployment is critical . Unlike traditional data centers, they require minimal on-site construction and can be operational within hours.

Cost Drivers

The price of a micro modular data center depends on several factors:

- o **Size and Power Capacity:** Units typically range from 1 to 10 cabinets, with power capacities between 3 kVA and 20 kVA. A smaller unit for a single office or branch may cost closer to EUR50,000, while larger units supporting critical operations can reach EUR250,000 or more .
- o **Cooling Systems:** Integrated cooling options, such as top-mounted AC, rack-mounted split AC, or in-row cooling, affect both upfront cost and long-term energy efficiency. Efficient cooling can reduce the Power Usage Effectiveness (PUE) to as low as 1.4, lowering operational costs .
- o **Deployment and Customization:** Factory-assembled units reduce on-site labor and construction costs by up to 30% compared to traditional builds, but additional features like high-density racks, advanced monitoring, or security enhancements can increase the price .

Advantages Over Traditional Data Centers

- o **Faster Deployment:** Micro modular units can be deployed in hours instead of months, minimizing downtime and lost revenue .
- o **Space Efficiency:** They save up to 80% of floor space compared to conventional server rooms .
- o **Lower Total Cost of Ownership:** Reduced construction, maintenance, and energy costs make them more affordable for small to medium-sized organizations .

Market Context in Ireland

While large government data centers in Ireland can cost tens of millions of euros (e.g., EUR80 million for an



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8,300 sqm facility in Cellbridge), micro modular data centers are designed for smaller-scale deployments and are significantly more cost-effective, making them accessible to SMEs and edge computing applications . Vendors like Dell and SOETECK provide solutions tailored to the Irish market, emphasizing sustainability, energy efficiency, and rapid scalability . In summary, expect to budget roughly EUR50,000-EUR250,000 for a micro-module data center in Ireland, with the final cost determined by the number of cabinets, power requirements, cooling configuration, and optional features.

Data center buildout costs depend heavily on factors like facility size, geographic location,

We currently have 129 data centers listed, from 13 markets in Ireland (‘ire). Click on a market below, to explore its data center

Data Centers in Ireland with map. List of available providers and facilities in Ireland, including Colocation, Bare Metal Servers, and

Purpose-engineered modules that deliver scalable, long-term, and sustainable data center capacity anywhere compute is needed

Modular Data Center Market Summary The global Modular Data Center Market was valued at USD 38.50 billion in 2025

Micro and modular data centers offer businesses and organizations an agile, scalable, and cost-effective

The Ireland data center market size was valued at USD 2.99 billion in 2025 and is expected to reach USD 4.05 billion by 2031,

Modular Data Centres Compact, scalable "whitespace" with PDUs, Bus duct, Fiber management, Structured cabling, Fire detection &

Modular data centers are prefabricated buildings such as a container that house servers, data hall, or data center module for power

DATA HOSTING TYPES IN IRELAND Hyperscale Examples: Amazon, Apple, Facebook, Google, Microsoft. Large scale companies

Modular data centers: 5 form factors, what's inside, economics, and when prefabricated wins over traditional builds for

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Find your ideal secure environment for your data centres with our modular buildings, letting you create cost-effective data centres

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Modular data centers offer fresh opportunities for the industry, but that doesn't mean they are right for every occasion.

History of Data Centre Hubs in Ireland Ireland has a well-established history in the data sector, with over 60 years of experience and

Deploy technology at the edge or anywhere your data is generated with modularized, integrated racks built outside traditional data

Web: <https://supremeacademicresearch.co.za>

