

Article Overview

IP66-rated outdoor data center racks in the UK provide robust protection for servers, networking, and telecom equipment against harsh weather, dust, and vandalism.

Key Features

Construction and Protection: Outdoor racks are typically made from 2.0mm galvanised steel with a welded monoblock body, offering IP66 ingress protection against dust and water, and IK10 impact resistance for mechanical durability . Many feature a sloped or gable roof to shed rain, snow, and debris, which is particularly suitable for UK weather . **Security:** High-security features include 3-point locking systems, recessed doors, concealed hinges, and vandal-resistant designs to prevent unauthorized access . **Internal Configuration:** Racks come with 19" adjustable rails, cable entry gland plates, and earth studs. Sizes range from 16RU to 42RU, accommodating various server and network equipment configurations . Some models include pre-cut fan vent apertures and hoods for integration with IP-rated thermal management systems . **Thermal Management:** Outdoor racks often support active ventilation, thermostatically controlled heating, and IP-rated fan/filter systems, improving internal temperature regulation by up to 25% when properly configured . **Customization:** UK suppliers offer single or double door options, bespoke sizes, and paint finishes to blend with roadside or industrial environments. Additional options include open or closed bases, external plinths, and enhanced roof designs .

Applications

Outdoor racks are widely used for:

- o Telecom and 5G infrastructure
- o Edge computing and remote server deployments
- o Intelligent transport systems (ITS)
- o CCTV and utility monitoring
- o Smart city and industrial automation projects

Compliance and Standards

These racks comply with IEC/EN 60529, IEC/EN 62208, EIA-310-D, CE, UKCA, and RoHS standards, ensuring safety, reliability, and compatibility with UK and international regulations .

Leading UK Suppliers

- o IP Enclosures UK: Offers IP66 19" outdoor cabinets and data racks with sizes from 16RU to 42RU, pre-cut

UK Data Center Rack Outdoor Type

ventilation, and high-security features .

- o Server Room Environments: Provides bespoke outdoor server racks for telecom, IT, and security applications, including 5G and Edge computing .
- o Netceed UK: Supplies weatherproof outdoor cabinets for edge computing and larger outdoor data center deployments, with flexible sizing and configurations . These outdoor racks are designed to ensure uninterrupted operation of critical IT and telecom equipment in the UK's variable climate while providing high security, durability, and ease of installation.

Datacentre Racks Orion Datacentre Racks are now the preferred choice of data centre managers across

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

Discover Data Center Racks from Netceed UK, including data, server, open frame, patching and cold aisle cabinets and optical

How to size, lay out, and cool data center server racks the right way. A

Specialists In rack mount server cabinets and wall cabinets, shelving, and accessories. Try 19-Inch Racks to optimize your data centre.

Tailor your rack to meet your specific needs. NetShelter Racks come in a variety of heights, widths, and

Rack space solutions with robust data connectivity. Empower your business with seamless network integration and reliable

Comms Express is the UK's leading supplier of high-quality Data Cabinets and Server Racks, offering top

Our study defines the United Kingdom data center rack market as the annual sales revenue generated within the

RackSolutions has been manufacturing high quality server racks and cabinets for over 20 years. Whether you need a single rack at

A 12U Outdoor IP55 rated floor mount data cabinet 600mm wide, 600mm deep and 704mm high.

Our offerings include a variety of cabinets and racks with detailed specifications such as server cabinet sizes, comms rack sizes,



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Dataracks are a leading UK manufacturer of data centre solutions including server racks, cabinets, containment, and security cages.

Netceed offers a range of weatherproof, outdoor data cabinets for servers and network equipment. Whether you need a compact

Find the best value server racks and data centre cabinets for any application with Server Room Environments. Contact us to find out

IP66 19" outdoor data rack cabinets for reliable protection of network and electrical gear in harsh environments. Ideal for road, rail,

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