

Rittal – The System.

Faster – better – everywhere.

➤ Rittal - Datacenter-in-a-box



Your ready-to-use datacenter

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Datacenter-in-a-box



Rittal's "Datacenter-in-a-box" is a standardized ready-to-use solution that meets all requirements in regard to cooling, power, monitoring, environmental controls and security. With a footprint of only 1,1 m² and a wide variety of option packages and accessories we are sure that Rittal's "Datacenter-in-a-box" is the perfect solution for small to medium-sized companies.

Datacenter-in-a-box

Standard	
Rack Type	TS IT cabinet Vented / Closed
Dimensions (W x H x D)	800 x 2100 x 1000/1200
Cooling Type	DX Inline / Rack
Dimensions (W x H x D)	300 x 2100 x 1000/1200
Total cooling power	12 kW
Communication	Alarm contacts, SNMP, display
Optional packages	
Option 1	Cable management package
Option 2 - Power	PDUi Basic or Metered
	1~/32A 24xC13 / 4xC19 Max. power 7 kW
	3~/16A 24xC13 / 6xC19 Max. power 10 kW
Option 3 - Monitoring	Basic CMC III monitoring package
	Temperature & Humidity
	Smoke detection
	Alarm reporting
Option 4 - Monitoring	Access control
	Door opening trough code or Rfid card
Option 5 - Security	Fire detection and extinguishing
Option 6 - Security	Automatic door opening



Datacenter-in-a-box

Rackspace - TS IT

- An 800 mm wide Rittal TS IT rack with a 12 kW DX cooling unit attached.
- Depth varies between 1000 and 1200 mm, depending on your choice.
- Double winged doors at the rear side of the rack for easy access in tight spaces.
- Equipped with clear air separation (cold/hot) for high efficient cooling.
- Mounted on a 100 mm Flex-Block plinth for easy cabling entry through the bottom.

Power - PDUi

The optional PDUi fits directly onto the TS IT 19"-mountings and occupies no extra space inside the rack (Zero-U) providing you up to 10 kW of power. The choice in PDUi can be either Basic, non-intelligent, Metered or intelligent with an easy-to-use web-interface.

Power - Backup power

Protect your business when the power goes down. From a short-period power sag to a complete black out, servers and especially storage arrays don't like to be cut off from the power grid without a proper power down procedure. On demand we can deliver you the needed backup power to prevent damage or data loss due to a power failure in the grid.

Monitoring - CMC III

An optional basic monitoring package allows you to perform basic measurements such as air temperature, humidity and the presence of smoke. Alarms, warnings and traps will be transmitted by means of your TCP/IP network using SNMP, SMTP or even OPC-UA. Redundant alarms can be sent over the cellular mobile network using SMS. The easy-to-use web-interface uses HTTP or HTTPS to give you a clear overview of all IT relevant variables within your datacenter.

Cooling - LCP DX

While the total amount of physical servers is going down the heat-losses per machine increase rapidly. Big virtualization platforms supported by powerful machines drive the performance of the available compute power to the maximum. This results in medium to high density solution where the right choice in cooling is very important.

Security - Access control

- People can access a rack by means of a numerical code or with a badge.
- A high secure disc cylinder out of hardened steel would be your manual override if the monitoring system would fail or in case of a power failure.
- The system is fail-safe and immediately locks all doors in case anyone would try to override the system by changing cabling or shutting down the power.
- The easy-to-use rights management system inside the platform's user interface ensures quick configuration of access codes/cards and easy to assign door control.

Security - Fire extinguishing

Electricity, heat, high velocity air volumes and a closed environment are key-elements to re-think your security and safety issues regarding fire extinguishing. Rittal's DET-AC III detection and extinguishing system uses high-sensitive air sampling sensors to sample the present air inside your rack.

Security - Automatic door opening

Where closed loop cooling systems improve overall efficiency and operational expenditures it also comes with a risk of overheating when the cooling system breaks down. The door control module monitors the server-in temperature and opens the doors if it reaches a critical level.



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- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

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