Data Center Rhine-Neckar II
The secure home for your data

Highly secure Data Center with the latest state of the art technology

In addition to the DCRN I high-performance Data Center, which commenced operations in 2010, PFALZKOM is setting new standards in the Rhine-Neckar metropolitan region with the DCRN II. With its 2,340 m² server area, it is the largest commercial Data Center in the whole of Rhineland-Palatinate, offering space for 1,000 racks and optimal options for your IT infrastructure.

The two Data Centers are powered directly and reliably by the PFALZWERKE Group's own supply network. Both Data Centers have multiple redundant connections to the company's own fiber optic network with all major exchange nodes and via a number of carriers. In addition, within both Data Centers, direct connection is possible to the world's largest Internet exchange node DE-CIX (DE-CIX Enabled Site).

Each Data Center individually meets TÜV-certified high-availability class 3+ and together class 4. Various high-availability scenarios can be implemented in combination with customer locations or other Data Centers in the company network.

Your benefits

- Expressed in figures: space for 1,000 racks on a server area of 2,340 m² - divided into four areas.
- Future-proof thanks to first-class efficiency! Our PUE (Power Usage Effectiveness) here is as high as <1.3 and is constantly being improved.
- Carefree accommodation! Together, our Data Centers offer high availability class 4, as well as TÜV/tekit-tested.
- We do everything we can to avoid downtime! We promise you a minimum availability of 99.98% per year.

Sustainable
100% green electricity and maximum energy efficiency in operation – good for your wallet and for the environment

Certified
TÜV-tested, highly available and fail-safe at all times – "Made in Germany" quality confirmed many times over

Connected
Easy to reach, close to the European grid – your secure DE-CIX Enabled Site

Services of the Data Center Rhein-Neckar® II

Server rooms
- Four server rooms as separate fire compartments on completion
- A total server area of 2,340 m² offers room for 1,000 racks
- Provision of racks and cages, customizable through optional services
- Flexible connection of the racks from above
- No supports, no waste, no layout limitation
- High loads are possible due to cooling without raised floor (4.5 t/m²)

Availability/efficiency
- High-availability class 3+; TÜV-tested
- Guaranteed minimum availability: 99.98% per year
- PUE value <1.3

Location
- Outside the flood zone
- Excellent transport links in the Rhine-Neckar metropolitan region and secure parking directly on the premises
- No dangers from road traffic or airports in the immediate vicinity

Access security
- Site is protected by a high-security fence
- Access to the Data Center premises is secured with a single entry access control system
- 2-factor authentication in the single entry access control system including biometric personal identification
- Seamless video surveillance of the Data Center, outdoor areas and access road integrated into the security system
- Multiple safety zones

Connectivity
- Integrated into the PFALZKOM fiber optic network with redundant and high-performance connection to several Internet exchange nodes
- DE-CIX Enabled Site
- Good connection to various clouds
- Many carrier connections via POPs in DCRN II and own carrier hotel

Here when you need us

Send an e-mail **info@pfalzkom.de**
or call us at **+49 621 585 3300**

Electricity
- Power is supplied reliably and directly by PFALZWERKE's own power grid
- Highly secure connection to the electricity grid:
  - 20 kV medium-voltage feed-in, fully redundant, directly from the substation, independent of the distribution grid
  - Direct connection to the European interconnected grid
  - Additional direct power plant feed-in
- High redundancy of the electrical supply
  - Two LVBs (low-voltage main distribution board)
  - Two transformers
  - Two UPSs (A = n+1, B = n+1); in two rooms, each separated from the batteries
  - Two emergency power systems: Diesel generator and prepared connections for additional temporary generators
- 100% green electricity

Fire protection
- Smoke aspiration system for active early fire detection
- Inert gas extinguishing system based on nitrogen and argon
- Quick restoration of extinguishing readiness after any extinguishing process is triggered
- Separate fire compartments in consistent F90 quality
- No permanent oxygen reduction to ensure access to the IT systems at all times

Air conditioning
- Highly efficient, uniform, indirect cooling based on rotary heat exchangers without forming "hot spots"
- Free cooling on approx. 330 days a year
- Hot aisle containment; server intake temperature: 25 °C; +1°C / -4°C
- Cooling via constant room temperature without raised floor; cold air blown in at low pressure over a large area
- Cooling system operates with low pressure differences; no additional load on the fans of the IT equipment
- No risk from water, as there is no cold water piping

Optional services
- Installation service
- Acceptance service for deliveries
- Storage services
- Accompanied access
- Support with the implementation of an external audit or certification
- Maintenance service ('Remote Hands')
- Personal point of contact on site

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Factsheet Data Center Rhine-Neckar® II