

## IMPLEMENTATION EXAMPLE WITH TOPOLOGY

Intelligent access control in the data centre -  
scalable online management in real time

Kentix ist Mitglied im

**BSKI** 

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# Intelligent access control in the data centre - Scalable online management in real time

## *The requirement*

*Access control in a data centre, whether it is one's own or that of a third party operator, places special demands on companies and organisations. On the one hand, an appropriate level of protection in accordance with legal and organisational requirements, and on the other hand, a maximum of automation and resource-saving system management are required.*

*In the access, suite, cage and rack level controlled access, its documentation and 24/7 monitoring of the locking status of all doors.*

*All data should be clearly monitored in a dashboard from any location and undesired states should be alarmed. Installation and operation shall be cost-efficient and simple. Open interfaces should enable easy integration into third-party systems. Free scalability, modularity and cost-effective, simple maintenance must be part of the solution concept.*

## *The Kentix system solution*

Access control is handled by the Kentix online IP access control system, in which each individual locking point is always online and is managed centrally via a web front, among other things.

IP wall readers with RFID and PIN code readers are used at the entrances, suites and cages, two of which are connected to an AccessManager. The AccessManager provides the power from the integrated PoE splitter that is required to open an electromechanical lock in the event of an authorised booking. In addition, door contacts are connected to the AccessManager to permanently monitor the status of the doors.

The IT enclosures are equipped with an IP rack lever RA4 at the front and rear, also with RFID and PIN code readers be connected to an AccessManager. The connection between the AccessManager and the IP rack levers is established by one distributor box per IT enclosure, which also allows the connection of 2 door contacts.

Thanks to the integrated locking contact in the IP rack lever, the status of each IT cabinet door is thus known in real time at all times.

Via an integrated web server application and/or open interfaces, the system can be managed automatically from a central location in real time and authorisations can be granted or revoked. Furthermore, it is documented or, if necessary, alerted as to who, when and where access was gained and what the status of each individual door is. Remote opening of doors is also possible through the integrated software.

The simple, up-to-date and resource-saving operation is realised by the KentixOS. The KentixOS is the integrated, freely scalable and modular IoT software platform which, in addition to the web front ends, provides open interfaces for easy integration into third-party systems (ReST-API, WebHooks, SNMP, LDAP, etc.). At the same time, the KentixOS is the basis for further AI analyses and visualisations.

