



Secure, flexible and intelligent
EMKA Rack Management

www.emka-electronics.com



Monitoring



Access control



Service



Security first

Rack Management by EMKA Electronics

The risen requirements of modern IT infrastructure in data centres demand a maximum of physical security. The Rack Management System by EMKA Electronics guarantees unambiguous logging and backtracking due to its personified access control down to cabinet level. Moreover, the system monitors all physical parameters in the rack and thus increases the operational reliability of the entire installation.

It consists of a database-driven control software, high-capacity modules and electromechanical handles.

The modular structure and the standardised connection technology enable a simple installation and a fast start-up. Wireless handles reduce the time and effort for mounting significantly and cut the investment costs. The functionality of the system can be enhanced and complemented any time by adding further modules. The integration into already existing security systems can be realised without any difficulty.



Control

access
safely

Synchronised hardware and software components ensure a maximum of security and transparency for the access control. The database-driven software Control Cockpit takes care of the central operation, monitoring and configuration. A high-capacity wireless network enables the direct access to a virtually unlimited number of server racks.

The complete logging documents all access-relevant information and guarantees the possibility of unambiguous backtracking of the events. In case of irregularities alerts are automatically transmitted.

Everything for your security.



The swing handle AGENT E Wireless by EMKA Electronics has been specially developed for the use on server racks and enables central monitoring, remote-controlled opening and system configuration. Wireless!

The authentication is performed directly on the handle either by the RFID cards available in the company or via the individual fingerprint. In combination with a multi-level emergency concept the function is also always guaranteed in case of a malfunction or battery failure. A highly-efficient power management in the handle guarantees a long battery life. Due to its make-up it is equally suitable for new installations as well as for retrofitting. Because of the wireless network technology you can do without costly wiring.

Having a handle
on everything

Swing Handle
Agent E Wireless



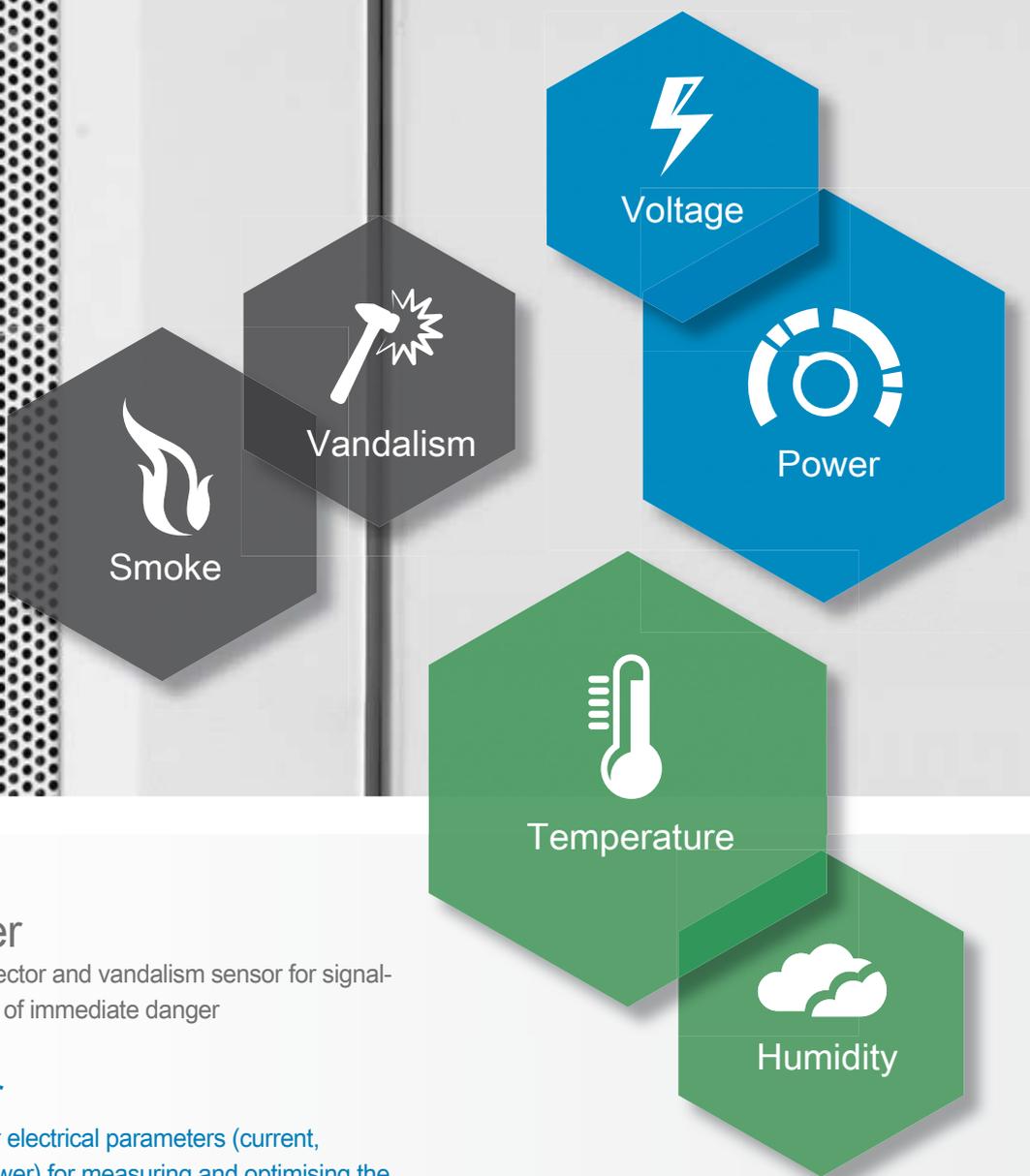
Monitoring

Highest process stability in operation

The monitoring of various parameters in the server racks is done by specific sensors by EMKA Electronics. The measured data are centrally captured and analysed. They can trigger alarms, switch on fans or air conditioning units or effect the emergency opening of the rack doors when user-defined limits are exceeded.

In combination with the software Control Cockpit, the data provide a basis for increasing the energy efficiency of data centres.

The sensor program of EMKA Electronics includes all relevant parameters for measuring and monitoring the operating status of server racks.



Danger

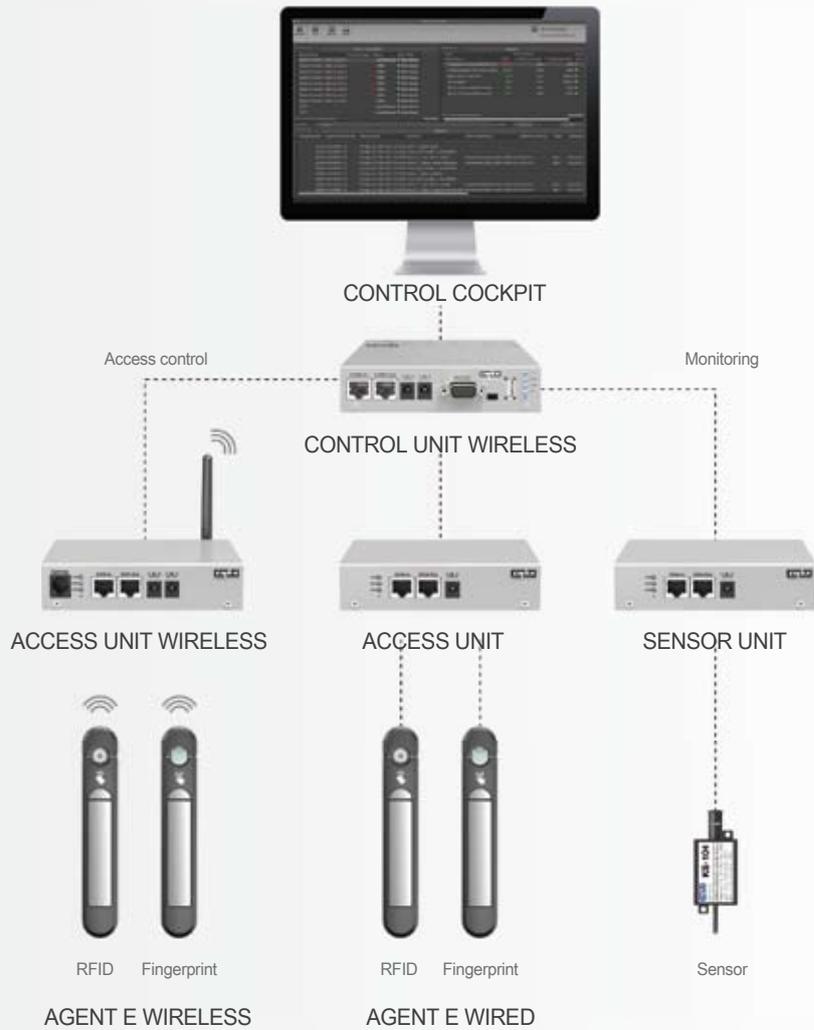
Smoke detector and vandalism sensor for signaling in case of immediate danger

Power

Sensors for electrical parameters (current, voltage, power) for measuring and optimising the power consumption

Thermal environment

Temperature, humidity and leakage sensor for climatic parameters



Ingenious Intelligent rack management

The Rack Management System by EMKA Electronics consists of the central Control Unit and the connected components for access control and rack monitoring. Due to its modular structure it is scalable for any application: from a single cabinet in stand-alone operation up to centrally administered server racks in data centres.

EMKA Electronics is as yet the only company offering a rack management system with wireless access control. It is very flexible and cost-saving with regard to its installation.



With the software Control Cockpit you can monitor all Control Units. The views of access control or operating status can be configured according to your requirements. All accesses to server racks are captured and completely documented. All operating status are displayed and malfunctions directly transmitted to the operator.

The open database structure with SQL interface enables a simple integration into higher level systems.

Control Cockpit

Central administration



EMKA Electronics

Always at your service

We are pleased to assist you as your competent partner. The Service of EMKA Electronics provides installation, set-up and function check and maintenance as required. Everything from one source. The service professionals of EMKA Electronics ensure the optimum operation of the EMKA Rack Management Systems any time.

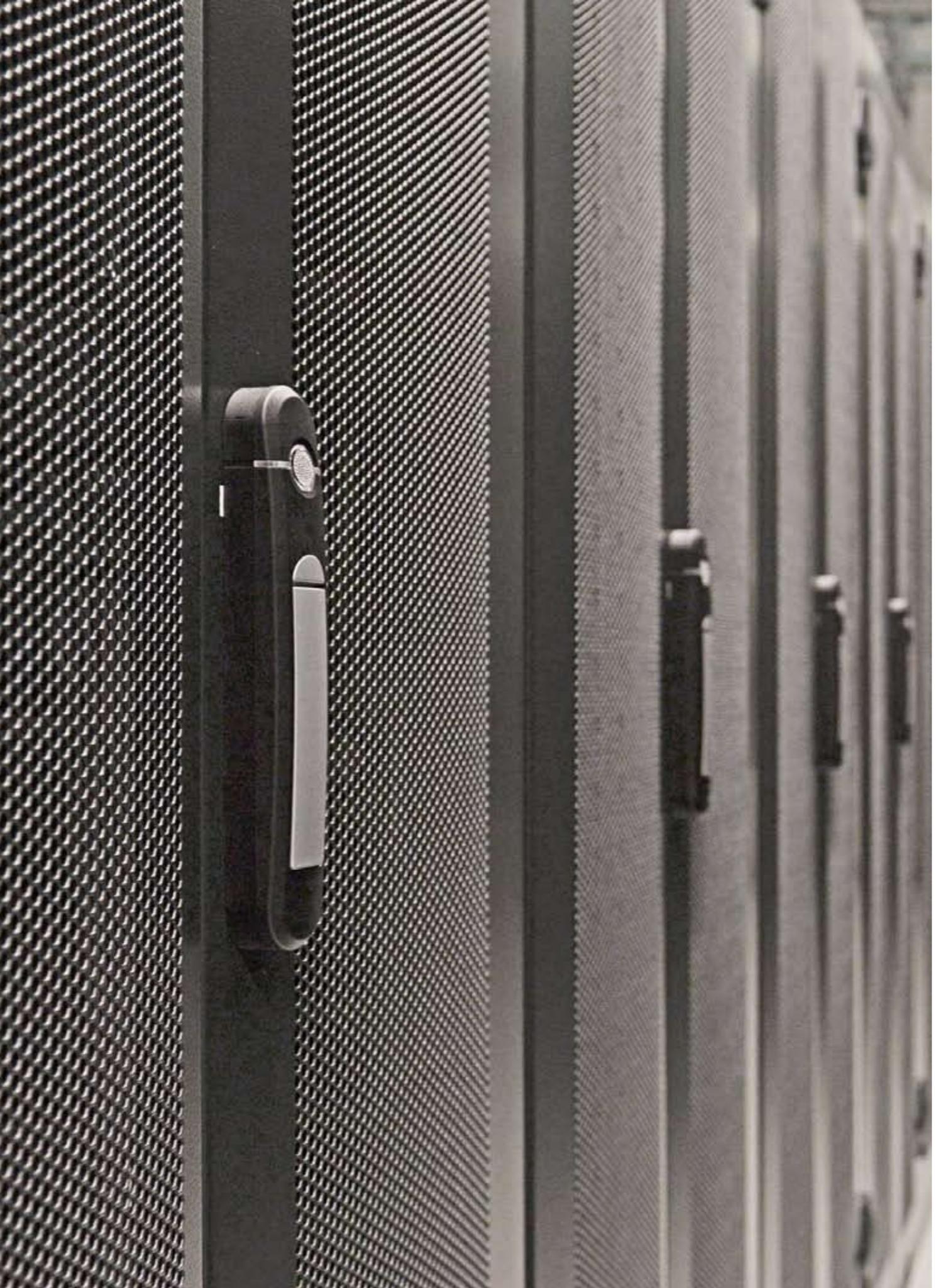
EMKA group

Local worldwide

EMKA Electronics is one of 4 business divisions of the EMKA group. The EMKA GROUP is world market leader for locks and latches; hinges and gasketing used in switch and control cabinets for electronics and electrotechnology. The company is also among the leading manufacturers of locking technology in the fields HVAC technology and transport.

The product range comprises 15,000 articles that are developed, manufactured, processed and assembled at nine production sites in Germany, France, England, Spain, Italy, Bosnia and Serbia. The company has 1,600 employees in 52 countries worldwide.





www.emka-electronics.com

EMKA Beschlagteile GmbH & Co. KG
Langenberger Str. 32
42551 Velbert / Germany
Tel. +49 2051 273-0
Fax +49 2051 273-128
info@emka.com