



VERTICAL SOLUTION
DATA CENTER



THE SYSTEM CONCEPT

HIGHEST SECURITY DEMANDS REQUIRE A COMPREHENSIVE SYSTEM INTEGRATION

The Challenge

A data center must guarantee network security as well as physical security. Not only data loss, but also data manipulation or theft are threats that cause both financial damage and harm the company's reputation. In addition, the equipment housed in a data center is highly sensitive, so that defined humidity and temperature values must be maintained, for example. Fire protection is another aspect, as in some cases extinguishing systems with chemical extinguishing agents are more suitable than sprinkler systems in the event of a fire.

All of these points lead to the fact that a whole range of security and building management technologies are used in a data center. Typically, these include video surveillance, access control, separation barriers, fire and perimeter protection, air conditioning, air purification systems to reduce dust particles, extinguishing systems, leakage warning system. Multiple redundancy concepts and an uninterruptible power supply are also required.

Unified control of different technologies

To operate data centers efficiently and securely, the use of an open integration platform is required: Via WinGuard, all security, building management and information systems used in the data center can be controlled centrally and in a unified way. The personnel in charge only has to work with one user interface and receive dynamic workflows (SOPs) via the system in case of an incident. This leads to an immense increase of security in the data center.



Integration of all technical systems into one easy-to-use platform



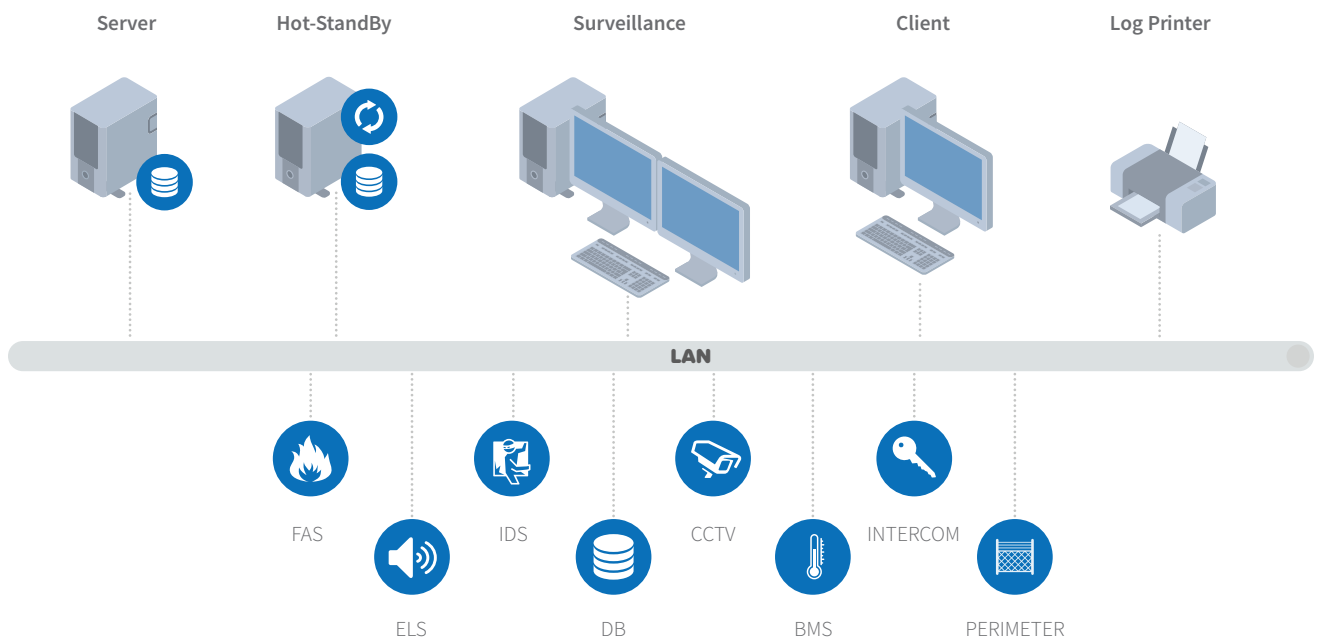
Legally compliant documentation and comprehensive reporting possibilities



Intelligent security and building management system



Information available centrally





WinGuard – an open integration platform that ensures comprehensive security in a data center.

Automatic interaction of all systems

In case of multiple events occurring at the same time, e.g. an unauthorized access attempt at the main entrance while a temperature overrun is reported in another area of the data center, WinGuard channels the necessary information and several connected systems act automatically: The cameras in the main entrance area are displayed so that the operator can check whether it is indeed an unauthorized access attempt and, if so, take the necessary actions with the help of the detailed workflows. At the same time, local service personnel who are close to the area where the temperature has been exceeded are notified by SMS so that they can check on site. In addition, connecting doors to other areas are automatically closed so that the excessive temperature will not have any further effect.

High availability and redundancy

Data centers are the technical switching and storage points of modern societies. Consequently, their availability is important, because a failure of individual processes or components jeopardizes the provision of the IT service as a whole and is often accompanied by temporary or total data loss. Constantly increasing demands on the availability and reliability of data centers require sophisticated technical and organizational measures.

Security and stability

With WinGuard and multiple standby servers, the complete data of the main system can be kept redundantly. This prevents failure and ensures highest availability of the Physical Security Information Management system. Distributed locations can be networked via location servers to ensure independent operation of the sites in the event of a central server or network failure.

Flexibly extendable platform

Data center security is not static, but a continuous process due to adaptations, modifications or extensions of a data center. Updates of the numerous systems connected to WinGuard are also realized by their manufacturers on a regular basis.

Such changes must not influence the security architecture. The integration platform WinGuard is flexibly extendable so that operators of data centers can adapt modules or functions anytime.

CONTACT



Advancis Software & Services GmbH
Monzastr. 3, 63225 Langen



+ 49 6103 80735 0



vertrieb@advancis.de

advancis.net