BOSCH
Invented for life

Access Control Systems

www.boschsecurity.com

Reliable and flexible solutions for any project

Bosch Access Control Systems
Reliable, versatile, scalable

Access Control is a key pillar of today's security. The growing need to control access to buildings and areas, more flexible working time models and the limitations of mechanical locks make a modern and reliable access control system indispensable. Bosch offers complete, reliable and scalable access control solutions for any medium to large sized application.

Key advantages of access control

Investing in the right technology is central to the protection of your employees, site visitors and ultimately the success of your company. While you naturally want your business premises to be as open and welcoming as possible – as well as making it easy for staff and visitors to move around the building – you need to ensure maximum protection against unauthorized intruders. In the event of an emergency, not only the future of your business but people's lives hang on the reliable functioning of access control systems. This combination of cutting-edge technology, open access and strict security is precisely what Bosch Access Control solutions offer you.

Integrated solutions
for every application

Bosch Access Control solutions offer you a perfectly flexible system for any project. Thanks to the scalability of the components the systems grows according to your security needs.

Airports

Stadiums

Office buildings

Factories

Healthcare

Hotels

Energy and utilities

Education

Our Access Control Solutions

The Access Engine of the Building Integration System is an ideal access control software solution for projects, such as airports or stadiums, although it can also be used in medium-sized applications. Our software solution for medium and entry-level projects is the Access Professional Edition. For consistency and interoperability, both use our Access Modular Controller.

Proven expertise in the security industry

▶ Vertical solutions expert
▶ More than 50,000 AMCs installed in Bosch Access Control Systems
▶ More than 35 years of experience in access control
▶ Worldwide support near you
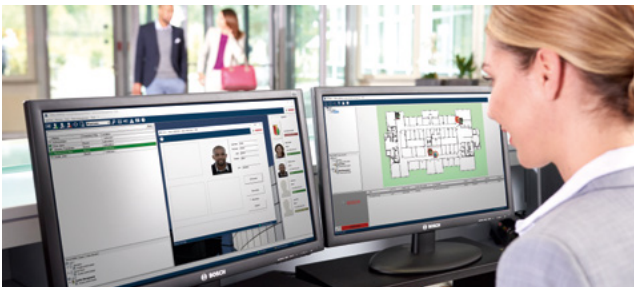
Integration with third-party devices

Through our Integration Partner Program (IPP), we ensure that Bosch access control solutions are compatible with third-party products to provide end-to-end solutions.

Scan the code or visit the following URL to find out more:
https://ipp.boschsecurity.com

Software

Access Professional Edition (APE)

For medium sized projects
▸ Easy-to-use and scalable software
▸ Integration of third-party functionalities such as cardholder information, door control, employee time and attendance, and payroll systems via Software Development Kits (SDK)
▸ Open Supervised Device Protocol (OSDP) for bi-directional encrypted communication between reader and controller
▸ Administers up to:
  - 512 readers
  - 16 concurrent workplace clients
  - 128 cameras
  - 10,000 cardholders

Effective security

A high level of security is provided by facilities such as badge enrollment, entrance control monitoring or alarm management with video verification.
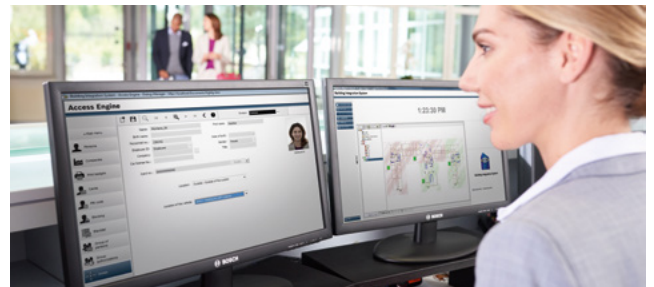
Integration

Other applications such as intrusion, video or elevator management can be integrated to create a complete security solution.

Future-proof investment

Minimize your initial investment with APE and switch to a more powerful BIS ACE solution as your needs demand – using the same hardware components.

BIS Access Engine (ACE)

For large and complex projects
▸ Installer-friendly configuration and scalable software
▸ Integration of Bosch video, fire, intrusion and public address systems via the Building Integration System (BIS)
▸ Integration of third-party products via open protocols (OPC) and Software Development Kits (SDK)
▸ Open Supervised Device Protocol (OSDP) for bi-directional encrypted communication between reader and controller
▸ Administers up to:
  - 10,000 readers per server
  - 80 concurrent workplace clients per server
  - 4,000 cameras per server
  - 200,000 cardholders per AMC

Maximum resilience

An additional third layer of security – Master Access Controller – between the workstation and the controllers ensures controller communication, even if the workstation fails.

Multiple applications and integration

Comprehensive system with many features, such as car park management, visitor management or guard tours. Integration of third party systems via SDK and OPC.

Future-proof investment

The ability to connect up to 10,000 readers provides excellent scalability. Regular software updates ensure that the system keeps up with the latest IT advances.

Hardware

Access Modular Controller (AMC)

For medium to large projects

▶ Intelligent access manager
▶ Carries out independent authorization checks on access points, takes access decisions, controls closing/opening elements and registers movement events – even when offline
▶ Specifically designed to work with APE and ACE systems
▶ Supports RS485 and Wiegand technology
▶ Storage capacity of 2GB
▶ Administers up to:
  - 8 readers
  - 200,000 cardholders

Speed of installation

The modular concept makes system planning and stocking easy. The service display allows for quick troubleshooting and system maintenance. Thanks to the fast and reliable Ethernet host interface, cardholder updates are completed within seconds.

Reliability

Thanks to its offline capability and supervised battery extensions, the AMC works continuously. To avoid losing data, the event buffer memory stores up to 2 million events offline.

Future-proof investment

Modular system designs ensures that the system can grow and adapt according to your needs and changes in technology.

Readers & Cards

Comprehensive portfolio of readers and cards
Bosch offers a wide range of readers and cards, from fully featured advanced solutions to cost-effective starter systems. Most models are available with or without keypad or as biometric versions, with the added option of fingerprint readers. Wiegand and RS-485 support ensures that our solutions will work seamlessly with your preferred technology. Simply choose the option that best matches your requirements.

Mifare classic and DESFire EV1

▶ High security level
▶ Most common standard in Europe
▶ Bosch-coded credentials available for highest level of security
▶ Wiegand and OSDP/RS485 panel interface available
▶ Fingerprint readers available

iClass, iClass SE and Seos

▶ High security level
▶ Most common standard in the US
▶ Wiegand and OSDP/RS485 panel interface available

EM and HID Prox

▶ Cost-effective entry-level solution
▶ Easy to install and handle
▶ Fingerprint readers available

A Tradition of Quality and Innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support. Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.