

Access Easy Control System

Easy Access Management - Anywhere, Anytime



BOSCH

Invented for life



Access Easy Control System

Easily Deployed, Easily Managed, Easily Scalable



Access Control



Time
Attendance



Intrusion
Monitoring



Alarm Control

Access Easy Control System (AECS) from Bosch is a powerful web-based access control system designed specifically for the small and medium enterprise. It uniquely combines the features of a web server with the functionality of a powerful security system into one complete unit. Powering the unit is a speedy 32-bit microprocessor running at 300 MHz.

AECS not only helps the business owner to secure his premises, but also to manage his access security system with unparalleled ease. It incorporates advanced security technologies to enable you and your security staff to easily roll-out and manage the system. It is versatile and can be easily scaled to handle from just a single premise, to multiple remotely located premises. Now you can be rest assured knowing that the security of your business assets, wherever they are located, are being managed and monitored.

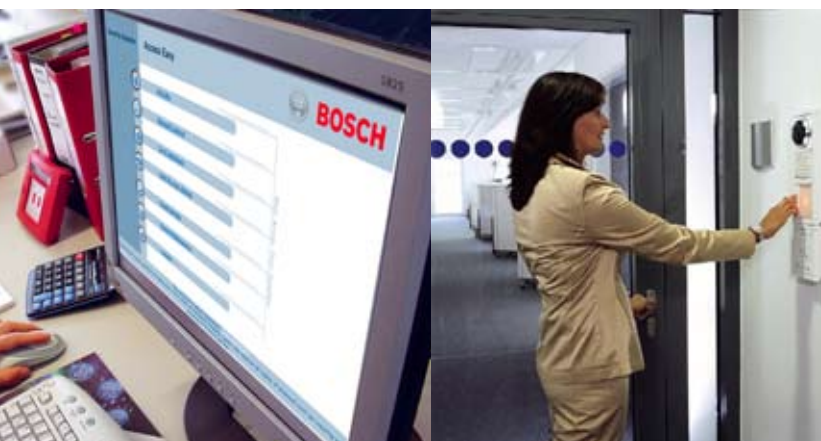
AECS comprises of either: a single-location Access Easy Controller (AEC); or multi-location AECs with one Access Easy Master Controller (AEMC). Depending on your level of access control required, a single-location AEC deployment can be sufficient to manage your premises. For a larger multi-location deployment, a maximum of up to 20 local AECs can be deployed and connected to a single global AEMC which manages and monitors all your business premises locally or globally.



Access Easy Control System
Easy Access Management - Anywhere, Anytime

Access Control

Physical Access and Authentication



AECS is ideal for:

- ▶ Small and Medium Enterprises
- ▶ Retail Chain Stores
- ▶ Membership Clubs
- ▶ Remote Outlets
- ▶ HQ and Regional Corporate Offices

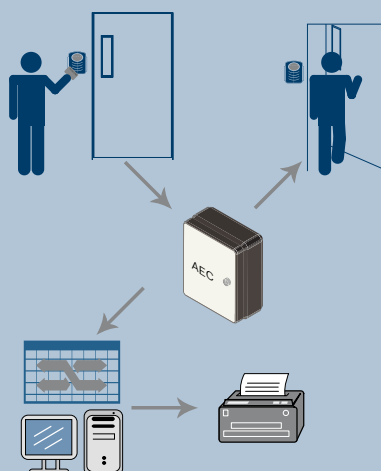
As with most business owners, it is critical that you and your security staff manage and control access to your business premises; and protect yourself, your employees and your business assets from burglary, vandalism, injury and information loss.

Bosch AECS provides you the easiest and quickest way to do that - no matter where you are located, and at anytime via an Internet web browser. You can have full control over all access readers, doors, elevators, gates, sensors, alarms, and many more devices which provide the basic means of physical security within your premises. Using identity card access control, you can define who, when and where

access is allowed or disallowed. With 32 unique programming logic for input and output linking based on logic programming, you can even program your lights to turn on or off accordingly when certain preset physical conditions are met.

For employees working after-hours or entering the premises during holidays, or accessing work areas via the elevator, personal safety is of special concern. With Bosch AECS, you can be rest assured that security at such times is monitored and any staff working at your premises is protected against intruders.

Access Control Monitoring



AEC controls and reports to you all entry and exit events from access readers in real-time. Events are archived conveniently into a built-in database with full reporting capabilities, giving you immediate access to event details such as who, where and when.



Time Attendance

Automation with Ease



For any business, automation is the one of the key factors in realizing faster and better returns on investments. Tracking and controlling your business time resource leads to immediate tangible gains in productivity and cost reduction. Tracking your employee work time also enhances your management efficiency, facilitates compliance with union work life agreements, local employment laws, and corporate governance requirements.

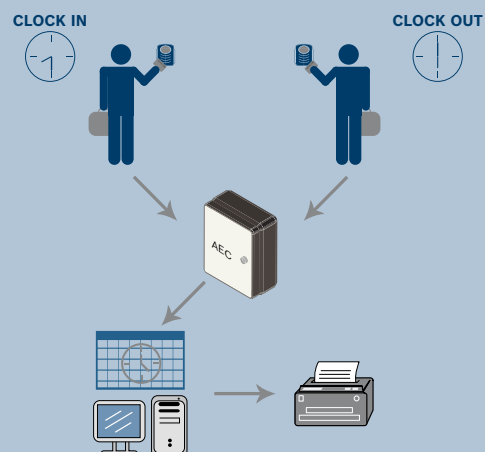
Using access readers (RFID readers) your employee can identify himself to the system in seconds - much quicker than finding a paper card in a rack and orienting it to a punch device.

Bosch AECS with built-in time attendance tracking dramatically reduces your audit time and errors caused by manual entry. You can easily obtain a quick real-time updated attendance report of any of your employees with just a simple click.

Bosch AECS tracks your employee's working time easily with just a flash of his identity card on an access reader configured for time attendance tracking. You can now avoid the hassle of tracking your employees via punch card or manual recording.

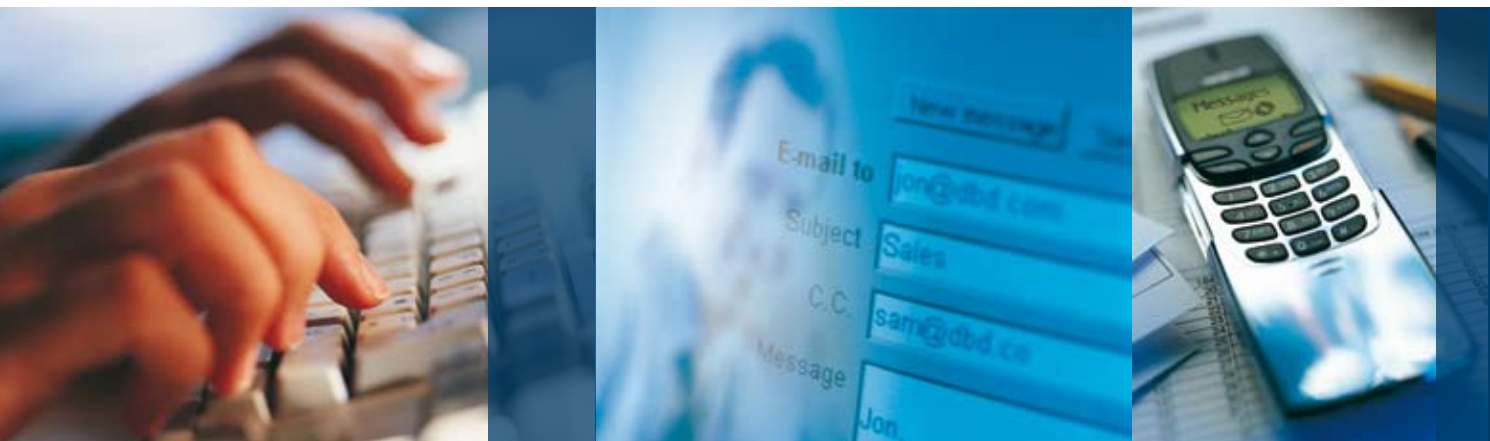
Full real-time updated reports of your employees can be displayed or printed out with just a few simple clicks on the AECS management interface.

Time Attendance



Intrusion Alarm and Control

Secured and Protected

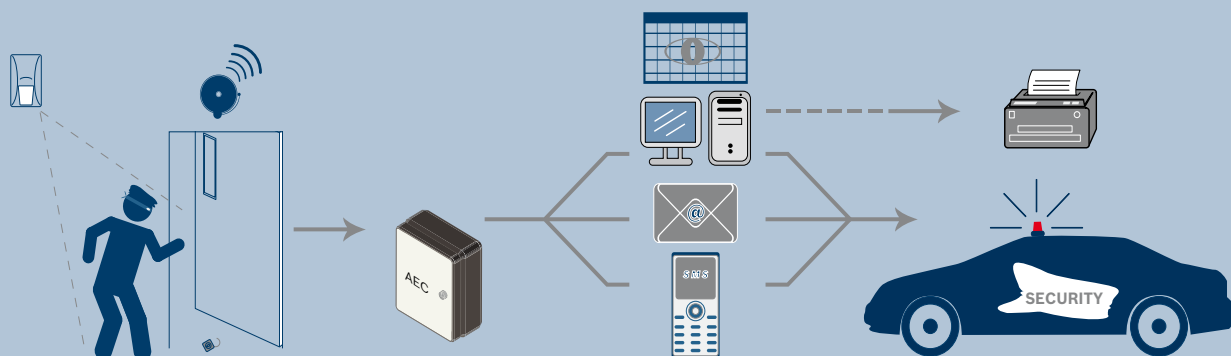


Powerful Unified Alarm Messaging System

Whether you're a small or medium sized business, the consequences of a security breach in your premises could be catastrophic, involving business loss, property damage, risk of injury liability, or non-compliance of corporate governance requirements and employment laws.

Bosch AECS helps you as a business owner by alerting you or your monitoring centre immediately via an E-mail or SMS message if and when a security breach occurs on your premises at any time of the day. The monitoring centre can then immediately dispatch security enforcement personnel to react to the security breach.

Intrusion Alarm



The Four 'E's

As Easy as 1, 2, 3

Easy to Install

AECS adopts the 'plug-and-play' installation concept - just plug in and connect up your existing compatible external security devices like access readers, door switches, electronic locks, intrusion devices, alarms or sirens. Simply connect a network cable from the AECS to a computer or network switch, followed by running of a web browser on a client's computer to configure it, your access control security system will be up and running in practically no time.

Easy to Network

AECS is a 'network-ready' system that connects easily to any existing business TCP/IP network via an Ethernet port or switch. You are not required to dedicate a computer to handle the security monitoring as any computer within the same network can be now used as a client for monitoring, controlling or managing the system. This powerful feature allows you to save cost by fully utilizing your existing IT resources and to cut down on spending on new hardware.

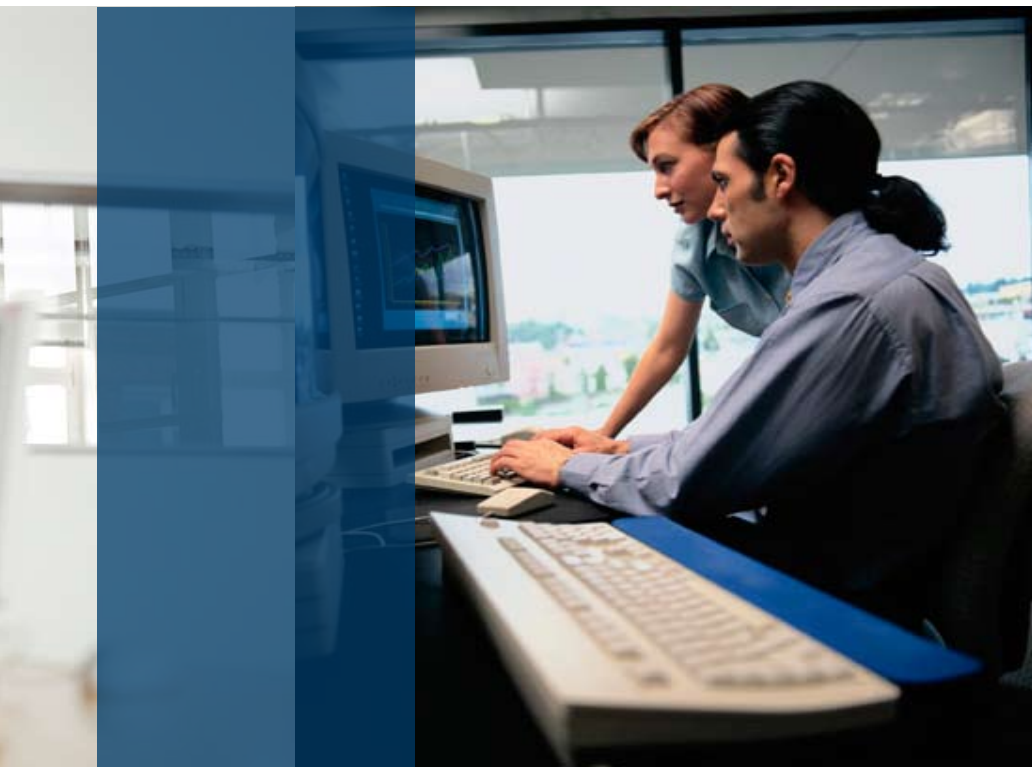


Easy to Operate

Through the intuitive interface of a web browser, you will find it just as easy to operate, control and monitor an AECS as to surf the Internet. The ease-of-use also means that you will need only minimal training for your distributors, installers, and users.

Easy to Access

You can access your AECS from any web browser enabled computer or wireless device connected to your LAN, WAN, Intranet, or even Internet configuration network. With this ease-of-access to your AECS, you can now do database management, control external devices, monitor activity, and monitor offices or buildings, at anytime from anywhere - as long as you have a gateway to access your AECS connected to the network!



Easy Access Management -
Anytime, Anywhere

Integrated Web Control Interface

All-in-One, Easy to Use

AEC and AEMC each have a built-in web server that allows monitoring and programming of control parameters to be done in real time through any standard web browser program supporting Java, e.g. the Internet Explorer, Netscape Navigator, Mozilla, Firefox or Opera. Since all applications in the AECS run on Red Hat Linux, it is independent of the client's computer type, operating systems and versions. Different computers running different operating systems e.g. Windows, UNIX, Linux, MacOS, can access and operate the AECS easily - as long as they have a standard web browser program with JVM (Java Virtual Machine) installed.

AECS is designed with door access control, intrusion monitoring, output control, time attendance tracking, and other comprehensive security functions - all integrated into one seamless solution. With such a powerful range of built-in functions in one solution, you no longer need to install other proprietary application software on your computer.



Access Control

Time Attendance

Integration

Intrusion
Monitoring

Output
Control

Worldwide Deployment

Access from Anywhere, at Anytime

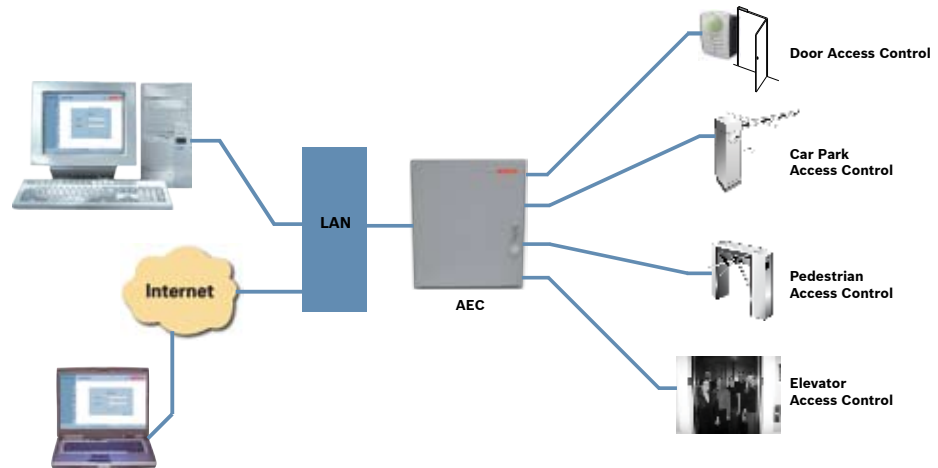
For companies that have multiple offices located worldwide, an AEC can be deployed at each local office to independently manage its physical access security needs. For a more centrally managed multiple location deployment, an additional AEMC is usually needed to centralize the control and monitor of each remote AEC. All the databases on each AEC of a multiple location deployment are synchronized with the AEMC thus delivering a centralized management report and audit log.



Access Easy Control System

Configuration: Standalone AEC in One Location

- ▶ One standalone AEC can connect up to 16 card access readers to control doors, elevators or boom gate barriers
- ▶ Up to 32 inputs and 32 relay outputs can be monitored and controlled

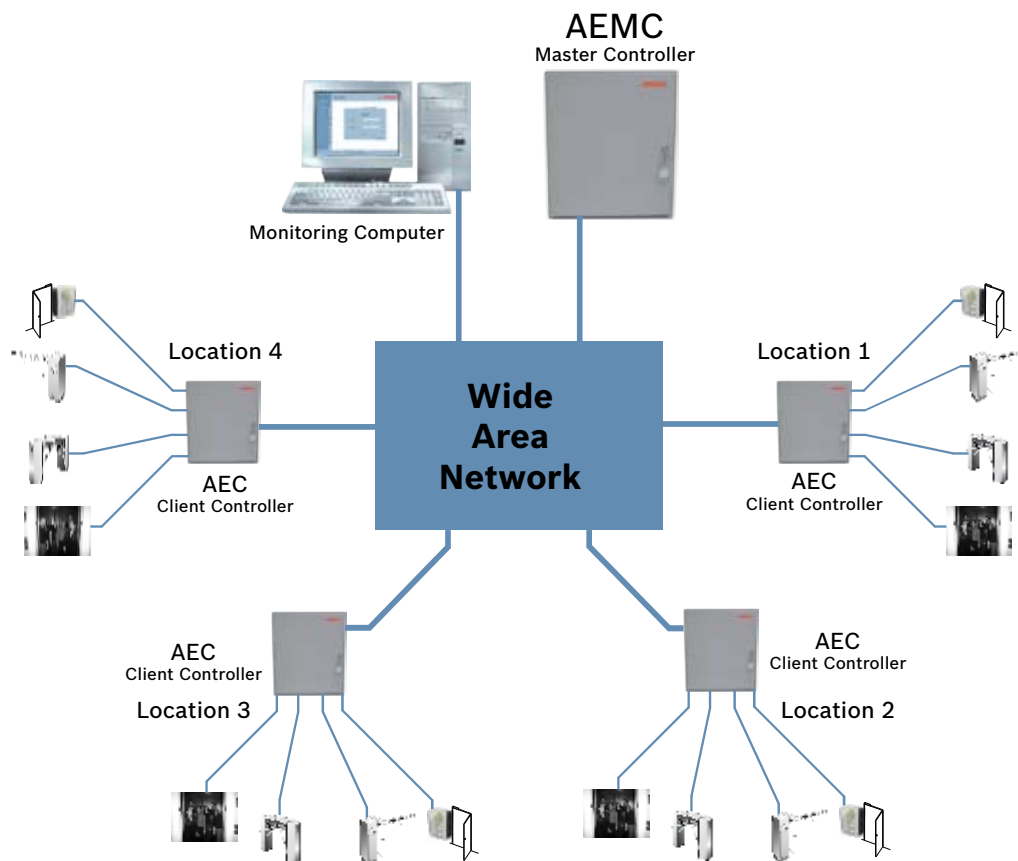


AECS Functional Features

- Access control using a card reader or a card reader + PIN code
- In / Out readers (anti-passback) for high security areas
- Intrusion alarm monitoring of non-reader doors and other inputs
- Arm or disarm alarm zones using a card reader
- Manual door control
- Automatic door control based on schedules
- Automatic arming and disarming of input points
- Output control based on schedules
- Special scheduling options for holidays
- Built-in reporting capabilities
- Time and attendance capturing
- User dial-in support
- Email or SMS alert upon triggered conditions
- Input-Output logic programming for control automation
- Real time activities and status update

Configuration: Multiple AECs in Multiple Locations

- Up to 20 AECs in multiple locations can be connected to one AEMC
- All transactions are synchronized and stored centrally at AEMC for easy viewing and monitoring



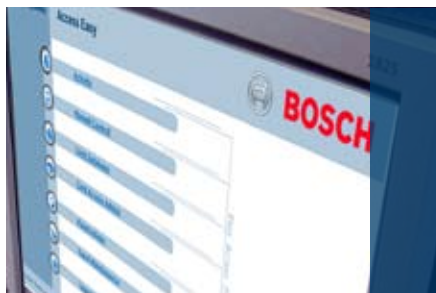
Specifications

	AEC	AEMC*
Wiegand Access Reader Support	16	320
Input Monitoring Points	32	640
Output Relay Points	32	640
Card Holders	20,480	20,480 ~ 409,600
Transaction History	20,479	Depends on storage at AEMC
Audit Log	1023	Depends on storage at AEMC

*Every AEMC can manage up to a maximum of 20 AECs.
Each AEMC comes with a standard 80GB IDE hard disk storage

Tradition of Quality and Innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, social alarm, access control, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.



Bosch Security Systems

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