



## AC2000 Standard Edition

Access Control and Security Management System

## When security is of paramount importance...

**AC2000 Standard Edition (AC2000 SE)** is a powerful and fully integrated access control, alarm processing and photo badging system with a set of software and hardware features that make it one of the most comprehensive security management systems available.

Successfully installed at some of the largest facilities around the world, AC2000 SE has been continuously developed to meet the most difficult security needs, providing a flexible and highly stable solution for installations where security is of paramount importance.

The AC2000 SE central server provides a high level of power and system resilience while Windows® based operator workstations provide the user with a familiar, easy to use environment. AC2000 SE utilises CEM's advanced range of hardware products including intelligent card readers and Ethernet-ready controllers.



### System Resilience

The use of distributed intelligence at all levels of the system including the use of card readers with their own database adds to the overall resilience of AC2000 SE. In the unlikely event of communications being lost, each sub system continues to operate without loss of security or transaction information.

### SYSTEM FEATURES

- Distributed intelligence for central and remote configuration
- Virtually unlimited expansion
- Intelligent card readers with on-board database
- Supports Ethernet-ready controllers and readers
- Windows® based operator workstations
- Automatic Server backup and archive
- Supports all current read head technology and multiple technology per system
- Supports Portable card readers
- ODBC compliant
- Alarms Filtering capability
- Advanced Transaction/Alarm Reporting
- Native Language Support
- 'Card Swipe' option for system log on
- Web browser remote diagnostics of controllers
- Broadcast facility for central control of readers & equipment
- Multiple and Temporary Extra Access Levels
- Advanced controls for operator-access to system data
- Failover/High Availability
- Seamless Integration with External Systems; CCTV, Intercom, Fire/burglar alarm, building, lighting, HVAC Control interface



## All your security needs covered...

### Information Processing

Alarm events, equipment usage and cardholder movements are registered on the central server in real time. This information can be used for reporting purposes or can be sent to graphical alarm displays or to CCTV systems for camera activation.

### Virtually Unlimited Expansion

A key feature of AC2000 SE is the ability for unlimited expansion. With the simple addition of CEM Ethernet-based controllers or card readers to the network, the system can be expanded to meet the most demanding applications.

### Central/Remote Configuration

AC2000 SE can broadcast messages to card readers to open and close doors in emergency situations or to switch lighting, heating or similar systems at pre-defined times. Built-in intelligence also allows the readers to be programmed remotely to change functional parameters.

### Portable Card Readers

The unique S3010 portable reader enhances the security capabilities of the AC2000 SE system. The reader can be used for cardholder validation at remote sites or temporary entrances that have no power, or can be used as a mobile device for random checks within pre-defined zones.

## Extended Business Applications include...

- Central Monitoring (Alarm & Event Display)
- Integrated Photo Badging (CEM VIPPS system)
- Guard Tours
- Biometrics support
- Rolling Transaction Display
- Vehicles Management
- Visitor Management
- Elevator Control
- Time & Attendance Module



## More than access control...

CEM Systems understands that the security needs of all sites are different. By manufacturing both the software and system hardware CEM can offer a customised, integrated solution that allows customers to manage their unique security situation. AC2000 SE comes with a suite of optional applications creating a powerful business solution.

### Alarm and Event Display (AED)

AED provides a complete system management console for graphical and textual representation of the status of the entire system ensuring that status changes or alarms are easily monitored. AED responds to all alarm situations in real time providing a dynamic on-screen interface to CCTV systems with facilities for CCTV switching, remote door broadcasting and audio output in response to alarm events.

### Integrated Photo Badging (VIPPS)

The CEM Visual Imaging Pass Production System (VIPPS) is fully integrated with AC2000 SE allowing users to produce permanent and temporary ID badges. VIPPS can be used to enrol biometric templates onto the AC2000 SE system.

### Rolling Transaction Display

The Rolling Transaction Display feature provides a split screen view of real-time transaction outcomes so that when a card is swiped at a reader, the cardholders image & associated personnel details are displayed on an operator PC. This allows guards to perform a visual security check on the person using the card.

### Biometrics Support

AC2000 SE seamlessly integrates with biometric technology to provide the ultimate in accurate and effective security. AC2000 SE interfaces to the biometric device, such as an Iris scan biometric reader, and in addition to all of the standard access control checks, matches the live biometric presented to the device to confirm that the authorised person is using the card.

### Guard Tours

The Guard Tour option allows the user to specify a sequence of readers that the guard must visit within prescribed time periods. Failure to do so will result in the creation of an alarm. The software also gives the option to temporarily suspend and resume a tour. Advanced reporting is also provided.

### Vehicles Management

The Vehicles application provides a method for monitoring and controlling the use of vehicles within an area. Information identifying the vehicle (make, model, registration etc.) is recorded in the AC2000 SE database with ID passes produced for display on vehicles. The Vehicle Pass may then be controlled in the same manner as a normal personnel card.

CEM Systems Ltd  
Unit 4 Ravenhill Business Park  
Ravenhill Road  
Belfast  
BT6 8AW  
Northern Ireland

Tel: +44 (0)28 9045 6767  
Fax: +44 (0)28 9045 4535  
email: [cem.sales@tycoint.com](mailto:cem.sales@tycoint.com)  
[www.cemsys.com](http://www.cemsys.com)