



# AC2000 Airport Edition

Access Control and Security Management System

**AC2000 AE (AIRPORT EDITION)** is a world renowned security product that has been designed by airports for airports. The system encompasses all the core features of the powerful AC2000 SE system with a host of additional functions and modules that have been designed specifically for airports.

## Securing the gateways of the world...

Used by many of the world's leading airports over many years, AC2000 AE has a proven record as one of the most reliable and resilient airport security solutions available. The flexibility and high quality offered by AC2000 AE is a key factor in its suitability for the airport environment. The system offers airport-specific access control and can be customised to meet the unique needs of each airport with new functionality added as airport security needs change over time.

### SYSTEM FEATURES

- Highly stable Unix or Linux operating system
- Web interface to CDC server for remote diagnostics and reporting
- Distributed intelligence for central and remote configuration
- Virtually unlimited expansion
- Intelligent, multi technology card readers with onboard database
- Supports Ethernet-ready controllers and readers
- Airport specific software
- Unlimited user definable fields
- Windows® based operator workstations
- Failover & Automatic Server backup and archive
- Supports CEM portable hand held readers
- ODBC Compliant
- Web browser remote diagnostics of controllers
- Seamless integration with External Systems; CCTV, DVR, Intercom, Intruder Alarm, Iris Biometrics

CEM can do this by designing and manufacturing both the hardware and system software to ensure that a totally integrated solution is provided which is integral to the overall security management of the airport.

### Advanced access control for mission critical airports

The CEM range of intelligent card readers offer advanced access control at secure points throughout airports, controlling airside and landside boundaries, gates, Air Traffic Control Towers and associated remote buildings. With an internal database, readers can validate cards and store transactions when offline, ensuring zero system downtime and a fully operational airport environment.

With a keypad feature for additional PIN security and an LCD display, messages such as Access Denied and Lost/Stolen Card are easily displayed. Reader messages can optionally be translated into the native language used at each airport.



The unique CEM S3020 portable hand held reader provides a quick way of providing a temporary check point for random security spotchecks or for external areas where cabling cannot be placed.

### Airport Specific Door Modes

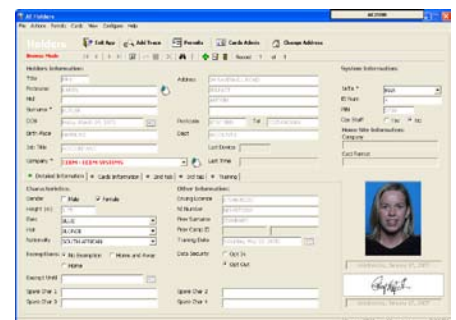
The CEM advanced card readers feature airport specific door modes such as:

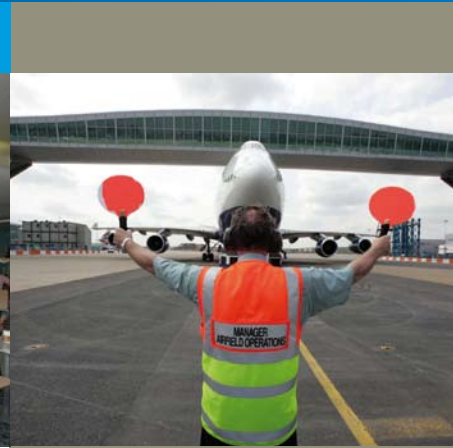
- Passenger
- Equipment Enable
- Trolley
- Airbridge Mode

Ideal for the airport environment, these reader modes control doors and external equipment to enhance the overall efficiency of airport operations and passenger throughput. For example to control baggage belts, check-in desks and control and monitor high maintenance airbridges. CEM readers are also widely used to enable the free flow of passengers through departure and arrival gates without compromising security and creating security airlocks across the RZ 'Restricted Zone' line.

### Airport-specific software

Designed for airports by airports, the AC2000 AE software suite incorporates airport specific screens such as Holders, Authorisers and Airport Utilities. These screens fit within the operations and procedures of airports.





### Used by leading airports, including over 80% of UK airports to:

- Manage access throughout the airport and prevent unauthorised access to secure areas
- Manage the flow of passengers, visitors and baggage through access points inside the airport
- Manage the staff ID pass production system with an interface for invoicing
- Provide command and control for airport security, law enforcement and airport management personnel
- Provide one graphical user interface for all electronic systems within the airport
- Enable shared check-in desk usage by airlines
- More efficiently use and control air bridges
- Manage vehicle flow and control of vehicle access
- Manage lift control of common use passenger lifts
- Enhance overall safety
- Support Iris Biometrics

### AC2000 AE OPERATIONAL APPLICATIONS...

- Check-In Desk Enabling
- Luggage Carousel Enabling
- Passenger Segregation
- Airbridge Monitoring System
- Passenger Reconciliation
- Panic Button Facility
- Taxi Management
- Vehicles Management
- Contractors Module
- Direct Link to Airport Invoicing
- Card Parking Facility
- Airport Link
- Equipment Enable
- Visitor Management

## An operational solution for airports...

AC2000 AE is more than an access control system. Using a suite of extended, comprehensive operational applications and by seamlessly integrating with third party external systems, AC2000 AE provides a fully integrated solution. The system has been used by clients to help airports run more efficiently in terms of both cost and operations. Using the AC2000 AE system data for sophisticated reporting purposes, airports can reduce costs without compromising security.

### Passenger Segregation

AC2000 AE allows the airport or airline to segregate arriving and departing passengers by using CEM card readers. The card readers are interlocked so that if one reader is in Passenger mode (for multiple throughput) the other can only be put in Staff mode (for individual entry).

### Taxi Management

To ensure fair allocation of taxis at airport's, authorised drivers swipe at a reader to indicate their arrival time. Booking software in the taxi office can then designate an assignment and send notification to the driver and passenger via a screen at the taxi rank.



### Check-In Desk Enabling

This module provides control of and reporting on shared check-in desks. CEM card readers can be used to enable/disable check-in desks or luggage carousels and provide data on equipment usage by means of an operator swiping a valid card. The system can provide a report on check-in desk usage which can be sent to the finance system used to invoice airlines for their use of the check-in desk.

### Airbridge Monitoring System

The Airbridge Monitoring System is used to provide control over the use of airbridges ensuring that only authorised and trained personnel can use them. CEM card readers installed at each airbridge ensure that operators must use a valid card before it can be used. The system displays the status of each airbridge on a graphical display and provides data for advanced reporting. The system enables airports to reduce maintenance costs associated with airbridges, such as faults and charge airlines for their use.

### Vehicle Management

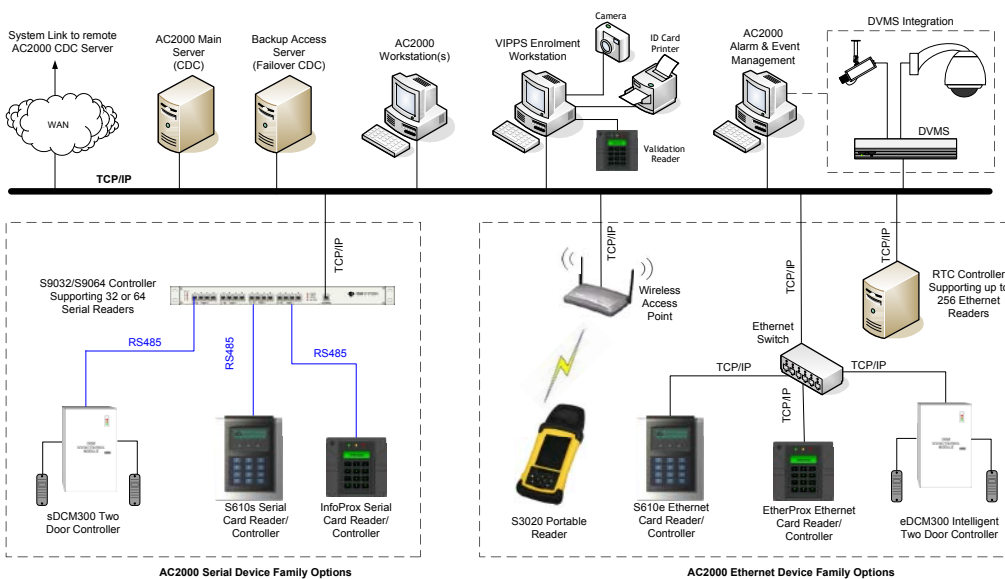
The Vehicle Management Module provides a means to ensure that only authorised passengers within a vehicle, e.g. cars and buses, can pass a control point. AC2000 Vehicles also provides the ability to monitor and report on vehicle usage within an area such as a car park, identifying when maximum management module levels are reached as well as reporting on vehicle usage patterns.

### Equipment Enable

Using Equipment Enable feature on CEM card readers, all equipment throughout the airport can be controlled and monitored for cost efficiency purposes. For example escalators, heat curtains and fixed electrical equipment can be enabled when required and automatically shut down for energy conservation.

### Airport Link

Airports that are owned by the same operator can be linked and networked upon request, allowing valid cardholders to go from one airport to another.



AC2000 AE System Topology

CEM Systems Ltd  
195 Airport Road West  
Belfast  
BT3 9ED  
Northern Ireland

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