

# INTEROPERABLE ACCESS CONTROL FOR OPEN SYSTEMS

## OVERVIEW

Interoperable access control has taken on increased importance in every open systems building project. Facility owners, managers and tenants need assurance that their premises are protected against unauthorized entry.

Circon's Access Integrator software and APC-300 Access Point Controllers provide an open access control system that delivers maximum protection, flexibility, simple operation and cost efficiency coupled with a high level of interoperability with open, multivendor LONWORKS® technology-based control subsystems, such as HVAC and lighting.

## OPEN SYSTEMS DESIGN

Access Integrator incorporates today's most advanced technologies, including Microsoft Windows® XP operating system, Microsoft SQL Server, Echelon® LONWORKS Network Services (LNS®) Turbo Edition, and ANSI/EIA/CEA 709.1 (LonTalk®).

## UNLIMITED SCALABILITY

Access Integrator provides scalable solutions to meet the needs of any size organization, from an entry level one-reader system to a large corporation with several facilities and thousands of access points and access users, located around the world.

## DATABASE PARTITIONING

Access Integrator enables a system administrator to partition the database into multiple segments, to limit the display and manipulation of individual tenant data. Partitioning is ideal in multiple tenant commercial buildings to provide each tenant with autonomy and independent access control.

## ALARM MANAGEMENT

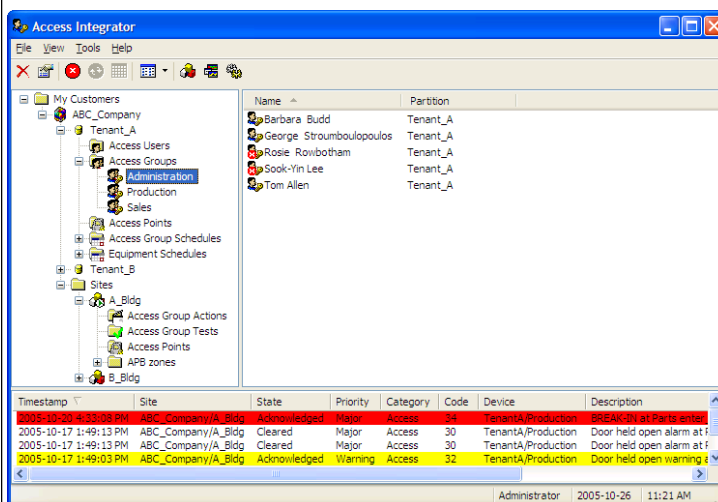
Alarms are displayed graphically and with audible annunciation the moment they are received. Using a standard email system, alarms can be sent to administrators or guards in the field, automatically in realtime, without operator intervention.

## INDEPENDENT OPERATION

Access Integrator distributes the access user database to the APC-300s. By using this database to make access decisions locally, APC-300s provide autonomous, around-the-clock access control, independently of the Access Integrator host PC database.

## ORDERING INFORMATION

Part number 11-0115 *standalone*  
includes AI, SQL Server, LNS Turbo Edition / 1 device credit  
Part number 11-0320 *coresident*  
includes AI, SQL Server



## ADVANTAGES

- Interoperates with multivendor LONWORKS-based facility automation systems
- Runs on Microsoft Windows XP and Microsoft SQL Server
- Includes Echelon LONWORKS Network Services (LNS) Turbo Edition
- Allows database partitioning for multiple tenants
- Provides alarm management with graphical, email and audible alarm notification
- Distributes the database for PC-independent operation
- Enables accurate and reliable analysis and troubleshooting with extensive event and alarm logging
- Prevents unauthorized system access with multiple level operator password protection
- Provides configurable reports for alarm history, event analysis and operator audit trail
- Includes the Access Point Monitor for realtime supervision and override
- Interfaces with intrusion detection alarm systems
- Supports antipassback enforcement for enhanced security
- Integrates LNS plug-ins for device configuration, management and troubleshooting
- Runs coresident with Network Integrator and Visual Integrator 3, or runs standalone



## ACCESS INTEGRATOR FEATURES

### INTUITIVE HUMAN-MACHINE INTERFACE

- Navigate among customers, sites and partitions with familiar Windows Explorer tree view
- View navigation tree, access system information and alarms all on one screen

### ACCESS CONTROL SYSTEM MANAGEMENT

- Create and manage customers, sites, partitions, access groups, access users, access points and schedules
- Assign access permissions to access groups
- Extend access user information with custom fields
- Download access information to APC-300 database
- Create schedules graphically
- Use Access Point Monitor for realtime supervision and override of multiple access points

### CONTINUOUS ALARM AND EVENT LOGGING

- Log alarms and events continuously, monitor in realtime
- Store information in SQL database for easy access and enterprise level information export
- Create archive database snapshot for later analysis

### COMPREHENSIVE ALARM MANAGEMENT

- Annunciate alarms immediately when received
- Alarm must be acknowledged and cleared by authorized operator
- Filter alarms view by customer, site, priority, and alarm state
- Send alarm notification by email
- Print alarm notification on line printer
- Customize alarm descriptions

### THIRD PARTY INTEGRATION

- Interface with intrusion detection alarm systems
- Import access user data from external databases and photo badging systems

### LOCAL AND REMOTE SITE ACCESS

- Operate locally or via the Internet
- Access remote sites over Internet using Echelon i.LON®
- Dialup remote sites using modems and Circon SMC-300, Echelon SLTA-10 or i.LON 100
- Work with multiple customers and sites

### STANDARD AND CUSTOM REPORTS

- View standard reports with data in tabular format
- Tailor report content with flexible filtering options
- Create unique custom reports with Crystal Reports
- Print on any networked Windows-supported printer

### SYSTEM ACCESS SECURITY

- Prevent access by unauthorized operators with username and password security check
- Assign permissions to operator groups to restrict access to sites, partitions and Access Integrator 3 functions
- Log operator actions in audit trail database

### NETWORK INTEGRATION AND MAINTENANCE

- Fully integrated with Echelon LNS Turbo Edition
- Launch LNS device plug-ins to for device configuration
- Create and restore LNS network database backup

### PLATFORM REQUIREMENTS - A13 LNS SERVER

- Operating System: Windows XP
- Microsoft SQL Server 2005 (Express Edition included)
- LNS Turbo Edition (included, with one device credit)
- Processor: Intel® Pentium® 4, 1 GHz or higher
- Memory: 1 GB RAM minimum, 2 GB recommended
- Hard drive: 4.5 GB minimum free disk space, ATA-100
- Writable DVD for backups is recommended
- Display: video card and monitor capable of displaying 1024 x 768 pixel resolution
- LonWorks network interface: LNS or IP network interface required

### CIRCON SYSTEMS CORPORATION

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