

ACFA Intellect

ACFA INTELLECT: COMPREHENSIVE SOLUTION FOR SECURITY INTEGRATION

- Reliable protection of facilities and intellectual property
- Intrusion prevention
- Workplace time and attendance
- Streamlining of staff needs
- Reduced security outlays



ACFA Intellect is a suite of modules for integrating access control, fire/security alarm, and perimeter security hardware into Intellect-powered security systems. These modules allow connecting access control, fire/security alarm, and perimeter security infrastructure to the Intellect platform and exchanging information between these components. Configuration options and hardware health information are accessed through the standard Intellect interface. Modules are configured independently of each other, which makes your system more flexible and versatile.

ACFA INTELLECT: FEATURES

- **Connect and combine security functions.** For example, you can link access control to your video cameras. Now your cameras can automatically start recording any time an access card is used!
- **Automatically react to events.** Configure automatic reactions to events. Access control options can be automatically enabled/disabled based on events detected by other parts of your security system.
- **Manage access control privileges automatically.** Powerful access control options: privileges for entering certain areas of your site are automatically determined by the status of the employee's access card.
- **Combine users into groups.** Set access privileges for a single user or for an entire department.
- **Monitor system health and performance.** Get automatic notifications if security hardware goes offline.

ACFA INTELLECT SUPPORTS SECURITY SYSTEMS WITH AN UNLIMITED NUMBER OF SERVERS AND WORKSTATIONS. THIS MEANS THAT YOU CAN BUILD A SECURITY SYSTEM THAT IS PERFECTLY MATCHED TO THE UNIQUE NEEDS OF YOUR BUSINESS.

Benefits of ACFA Intellect:

- Reliable protection of facilities and intellectual property
- Intrusion prevention
- Workplace time and attendance
- Streamlining of staff needs
- Reduced security outlays

RESULT: MORE POWERFUL SECURITY, BETTER COMPANY PERFORMANCE, AND IMPROVED PROFITS.

OPC WRAPPER INTEGRATION, SIMPLIFIED

The OPC Wrapper module offers a central, one-stop interface for monitoring and managing system components. OPC Wrapper ties together all the software layers of the security system, enabling them to work together as a cohesive whole. The module can exchange data and get events via the Data Access and Alarms & Events standards.

OPC Data Access (DA) is the most popular standard. Intended for real-time data exchange with controllers, management systems, and other hardware. In Intellect, DA is a tree of items that have a specific value. Values can change in real time: these changes can be observed in the Event Log in Intellect.

OPC Alarms & Events (AE) informs of special events: emergencies, operator actions, advisory messages, and more. These notifications are logged in the Intellect Event Log as well.

Here's the "big picture" of how integration works: subsystems installed on different computers talk to each other via OPC Wrapper, requesting data and sending commands to each other.

OPC Wrapper automatically detects active OPC servers and builds object trees, which makes it easy to configure and start OPC Wrapper in Intellect. Configure conditional reactions to system values with the help of scripts and macros.

Why use OPC Wrapper version 5.2:

- Connect to any server, whether local or remote.
- Set rules for changing the state of an object. The badge of an object on the map changes color based on the object's value.
- Change the values of visualized DA objects directly from the map.

BACNET WRAPPER GENERAL-PURPOSE INTEGRATION, POPULAR PROTOCOL

The BACnet integration module adds support for devices that use the BACnet protocol, enabling creation of consolidated integrated security systems powered by AxxonSoft software. BACnet allows combining devices for lighting, life support, access control, and electrical supply, as well as elevators and other key equipment, into a single system.

BACnet (Building Automation and Control Networks) is an open communications protocol for automating and programming building systems. Leading manufacturers of security equipment and building automation systems include BACnet support with their products, including Siemens, Honeywell and others.

The BACnet integration module enables interaction between ACFA Intellect and BACnet-compliant devices, opening up an array of options for management and scripting.

Events Supported:

- Events and alarms from access control systems like Access Granted, Access Denied, Door forced alarms, Access violations, etc.;
- Any sets of alarms from perimetral security systems;
- Any data from engineering infrastructure like Temperature, Humidity, Conditioning, Emergency sensors and more other;
- Any data from industrial equipment like Oil pressure, Fan control, Control sensors and more other;

Any of the above events or systems can trigger a wide range of actions within the system. This includes:

- Moving PTZ cameras to specific locations
- Displaying video from one or more cameras on operator's PC
- Recording of any camera started, etc.
- Set service mode
- Enable the program, Disable the program.

VIRTUAL ACCESS SERVER

MORE SAVINGS, MORE VALUE

- What's the secret to deploying a reliable security system without sky-high access control expenses?
- Do you know how to set up constant, selective face control without hiring full-time security guards?
- What is the best way for precisely recording your employees' working hours?

The Virtual Access Server module creates virtual checkpoints, integrating Auto Intellect/Face Intellect and their recognition capabilities with the Time and Attendance module.

Create a virtual checkpoint (VC) to record when a person or vehicle listed in your database enters or leaves. VCs work just like the access control devices that are supported by Intellect. You can cross-reference employee access privileges and access levels with VCs!

Virtual Access Server functions:

Integrate Auto Intellect/Face Intellect with the Time and Attendance module. Virtual checkpoints can generate the data you need for reports on employee time and attendance. Recognition of employee faces or license plates provides all the necessary information. When a face or license plate is successfully recognized, the "Passage allowed" event is generated. This can be used to mark the beginning of an employee's workday, for example.

Perform system actions based on "Passage allowed" and "Passage denied" events. Virtual checkpoints can generate events (allow or deny passage) automatically based on database matches. This makes it easy to configure event-specific reactions (such as closing a relay contact) using macros or scripts.

The Intellect platform allows creating a vast array of scripts involving any of the security subsystems connected to it. For example, you can use a vehicle boom barrier like an ordinary relay, in effect, thanks to Intellect. Or if a user tries to cross the same virtual checkpoint twice, scripts can display an alarm automatically. With Intellect, if you can think it, you can script it!

USING THE VIRTUAL ACCESS SERVER MODULE ALLOWS STRENGTHENING ACCESS CONTROL AT YOUR SITE WITHOUT THE FINANCIAL OUTLAYS OF TRADITIONAL HARDWARE-INTENSIVE SOLUTIONS. THESE BENEFITS ARE PARTICULARLY SIGNIFICANT FOR SENSITIVE SITES SUCH AS BANKS AND DEFENSE FACILITIES.

ACCESS CONTROL SUBSYSTEM

CORPORATE SECURITY POLICIES

PHOTO ID MODULE

- Can a person sneak into your facilities by taking someone else's access card?
- Do you get real-time information about who is entering and leaving your buildings?
- Is your security system able to differentiate access privileges in sensitive areas versus less-sensitive areas?

The Photo ID module combines with access control to monitor system events in real time.

Photo identification performs visual verification of events at entries/exits. The Access Control subsystem reads a user's access card. Simultaneously, the operator is shown the photo and information of the card's rightful owner from the database. The operator can compare the database picture and the camera picture before deciding whether to allow access.

The module allows selecting which data to display (name, position, department, card number, date/time, etc.) and configuring the arrangement of these fields on screen, thanks to a convenient visual editor. Several windows with employee details are shown simultaneously, helping security staff to keep a close eye on comings and goings.

Operators can view the event log in order to trace the history of user entries/exits.

WHY USE THE PHOTO ID MODULE:

- AUTOMATE THE WORK OF SECURITY STAFF.
- MAKE ACCESS CONTROL MORE POWERFUL AND EFFICIENT.



FACILITY ACCESS MANAGEMENT

- Are you proactive in preventing theft at company facilities?
- Do you do enough to protect your company's intellectual property?
- Could employee timeliness and discipline be optimized?

The Facility Access Management module automates tasks related to databases for authorizing/denying access.

Security staff can create time-based restrictions, access levels, and access schedules for employees and departments. This module simplifies many common tasks for administrators of Intellect-powered security systems.

Configuration of the Schedules, Shift Schedules, Holidays, Access Levels, and Departments panels can be performed all through the module's interface. The FAM module is more convenient than the Intellect settings interface because there are many more configurable fields, which makes it easier to manage user information. Contextual search of all data types means that you can quickly find specific users in the Intellect database.

Use the Facility Access Management module to:

- Simplify creation/editing of users and access levels.
- Modify user entries from client workstations.
- Protect company property by restricting employee and visitor access, as well as movement of merchandise to and from facilities.
- Safeguard intellectual property by creating and configuring access levels within the company, at both the individual and department levels.
- Encourage on-the-job conscientiousness: employees «clock in» by passing through Intellect-monitored entries.

If this module is not installed, the Intellect settings interface is used for editing.

SEARCH FOR USER ACCOUNTS (VEHICLES)

Search is performed by class (Employees, Clients, Visitors, Vehicles). Set the search type and maximum number of results. Results are displayed on screen as a table.

Use the Time and Attendance module to:

- Coordinate employee actions and improve diligence.
- Optimize employee workloads and redirect employee efforts where necessary.
- Minimize losses caused by tardiness and unauthorized absences.
- Make better-informed decisions about overtime compensation and bonuses.
- Simplify reporting and accounting tasks.
- Streamline staff counts for performing HR tasks.

TIME AND ATTENDANCE

- Do you monitor the time spent by employees on their work tasks?
- Is overtime information used to determine bonus pay and compensation?
- Could you benefit from tools to minimize unauthorized tardiness and absences?

The Time and Attendance module automatically records employee hours and simplifies planning-related tasks. The Time and Attendance module uses the information generated by the access control module.

Functions of the module include:

Calculation of employee hours. The Time and Attendance module reports the total hours worked by each employee of a department in an easy-to-understand table. View the company's organizational chart and get information for each employee (the organizational chart is created in Intellect)

Create time intervals, shifts, and schedules. When planning and organizing working hours, you can create schedules and shifts that vary by period. Apply these schedules and shifts to an entire department or at the individual level.

Schedules supported:

- Weekly (five-day workweek)
- Shifts (one day on, two days off)
- Monthly (when all even-numbered days are working days, for example)
- Flex hours: employees must work a certain number of hours during a defined interval (8 hours between 8 AM and 10 PM, for example)

Maintain employee records on overtime and more. With the Time and Attendance module, you can create and track documents related to employee overtime and excused absences. Calculate each employee's total working hours and view the results in table form.

Generate reports. Data from the Access Control module is used to create reports, with the help of the Intellect Web Report System.

Get statistics at any time, for any reporting period, about the hours worked by an employee (taking into account night work, tardiness, work-related travel, absences, and sick leave).

Wide range of bundled reports, including:

- Detailed overview
- Overview
- Unexcused absences
- Total hours
- Time and attendance documents
- Errors
- Employee lateness
- Presence in office
- Entry/exit times
- Group time and attendance
- Employee time in office
- Overview of tardiness and overtime
- Simplified overview
- Payroll calculation documents

FIRE / SECURITY ALARM SUBSYSTEM

WHEN EVERY SECOND COUNTS

FIRE AND SECURITY ALARMS

- Do you have effective tools for resolving emergencies at your business?
- Are you receiving automatic notifications of emergencies as they happen?
- Can you be sure that your fire safety equipment is in good working order?

Fire/Security Alarm Integration modules allow connecting alarms from diverse vendors to Intellect. Alarm data is sent to Intellect, which can send commands to alarms in response.

Securely manage your alarm equipment via Intellect, whether from your central monitoring hub or an unlimited number of remote workstations. Write conditional statements to specify how to react to events. This simple programming makes system installation a breeze!

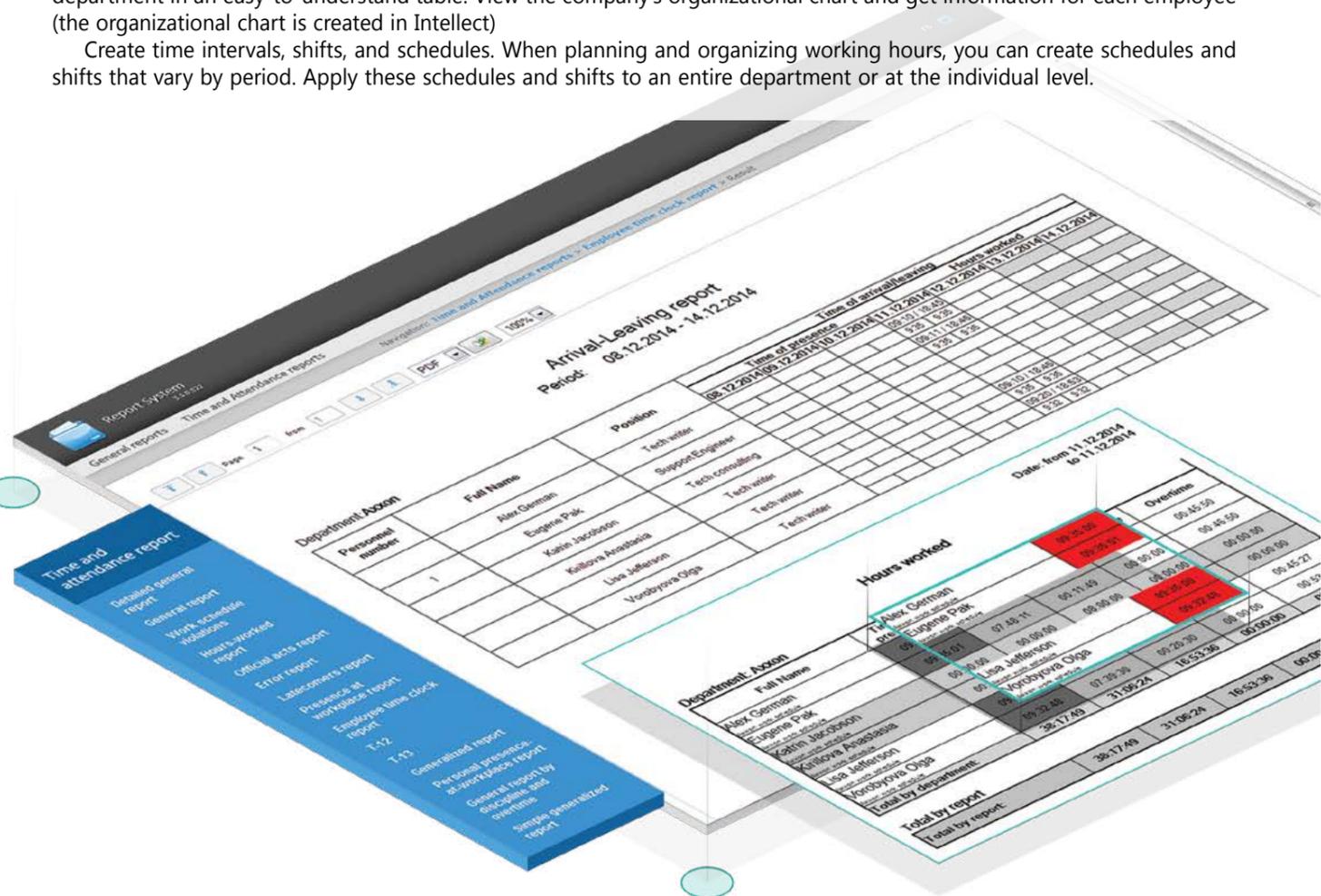
Integration of alarms with other security subsystems offers major benefits for security staff. Now if a fire alarm is triggered, an operator can instantly reference the relevant video footage to determine whether a fire is truly occurring. Intellect allows jumping to the camera closest to the suspected fire, so that the operator can visually determine the presence of smoke/open flame and react accordingly. No more false alarms!

The reverse is possible as well: if a flame is visible on screen but the fire alarm has not been triggered, this means either that the detector is faulty or that the sensor or communication line is not working.

Similar benefits for security are available as well: when an intrusion alarm is triggered, the operator can instantly cross-check with real-time video footage. For even greater efficiency, footage from the area of a fire alarm can be automatically displayed and enlarged on a dedicated monitor.

Why integrate fire and security alarms?

- Identify and react to threats in record time: intrusion, fire, etc.
- Create commands to automatically activate fire suppression equipment, broadcast evacuation announcements, control electrical and utility systems, and more.
- Make access control more effective.



PERIMETER SECURITY SYSTEM

DETECT INTRUDERS BEFORE THEY STRIKE

The Perimeter Security Integration module provides support in Intellect for perimeter security devices from numerous manufacturers. Thanks to the module, these devices can send information to Intellect and perform Intellect-generated commands.

Manage perimeter security from the regular Intellect interface. With the Perimeter Security Integration module, the full feature set of manufacturer-provided perimeter security hardware is maintained (timely detection of violators prior to them entering a protected area, resistance to inclement conditions including wind, rain, snow, etc.).

Configure relationships between perimeter security and other subsystems (such as video surveillance, alarms, and access control) to set up automatic reactions in case an intruder approaches your site.

THANKS TO THE PERIMETER SECURITY INTEGRATION MODULE, YOU CAN:

- SUBSTANTIALLY REDUCE SECURITY STAFF NEEDS. RELY ON AUTOMATICALLY GENERATED ALERTS THAT DO NOT REQUIRE PERSONAL INTERVENTION BY SECURITY STAFF.
- MINIMIZE FALSE ALARMS: THE SYSTEM IGNORES BIRDS, ANIMALS, SWAYING TREES, AND OTHER SOURCES OF FALSE POSITIVES.



Email: info@axxonsoft.com
www.[axxonsoft.com](http://www.axxonsoft.com)