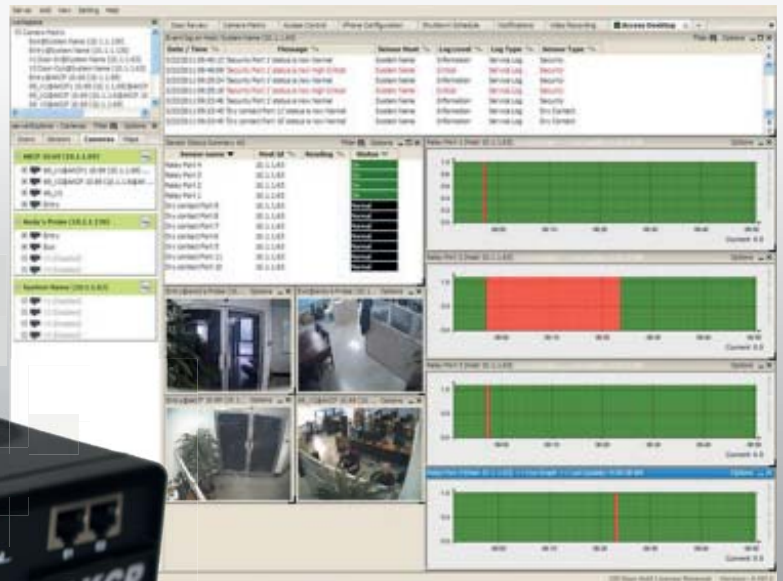


# Door Control Unit (DCU)



## Access Control for Server Rooms & Data Centers

AKCess Pro is the only company that provides an integrated approach to Access Control. Visually Record and Monitor employee's entering, and leaving secure areas.

AKCP offers an unprecedented level of security for any number of locations regardless of their physical location. Whether you want to control and monitor access to rooms in the same building or separate rooms in different cities, states, countries or even

continents AKCP has you covered for up to 5000 entrances and exits worldwide.

Door Control Unit packages from AKCess Pro provide all-in-one access control for a computer room or remote telecoms site. The Door Control Unit allows Card or Biometric Fingerprint Readers linked to a

fail-safe door. All monitored and recorded, without compromise, using the AKCess Pro Server Application.

## The AKCess Pro Package

Our Access Control Package includes all the advanced features you have come to expect from an AKCess Pro product. Utilizing the experience gained from over 70,000 client installations and 30 years of cutting edge monitoring system development, AKCP has produced a highly specified Access Control solution.

The core of AKCP's Access Control Solution is our Door Control Unit. The Door Control Unit (DCU) is a versatile yet compact base unit powered via 12 VDC. AKCP's Door Control Unit capable of supporting up to 4 High Definition Digital Cameras and 2 bio Metric or card readers. You can also add up to 2 additional environmental monitoring sensors using RJ45 plug and play technology.



**Never before has such an advanced access control system been integrated with environmental monitoring.**

The primary reason that any company employs physical access control is for enhanced security and surveillance. AKCP has designed our Access Control Solutions to provide you with the most information possible in a customizable and adaptable interface to make implementation easy.

## Full Integration with AKCP Devices



AKCP's high definition digital cameras provide you with the clear digital images that you need for locations and situations that demand heightened security.

Use the digital zoom feature to increase image size by up to 10 times for situations that require attention to minute details.

AKCess Pro's advanced fingerprint scanners use a digitized reading of your finger as a security access key.

These are very popular in government and military compounds and are becoming increasingly more popular for data centers and computer rooms.



Use our video monitoring desktop interface to monitor your sites entry and exit points or parts of your premises with high traffic volume or security level clearance.

Watch in real time or go back to review previously recorded events using our playback feature.

## Cabinet Control Unit

Our integrated Access Control system doesn't stop at simply securing entry and exit points. Now that you have your perimeter secured you can move on to securing your equipment and perhaps more important, your information.



It's very common for companies to have situations where they only want a limited group of high security clearance personnel to have access to their most sensitive information and servers.

AKCP's Cabinet Control Unit allows for card reader access to be added to your server cabinets. For large buildings and data centers it's possible to daisy chain the cabinet controllers which grants access control for up to hundreds of server cabinets and doors.

### Simple Wizards makes Implementation easy!

Used in conjunction with AKCP's Door Control Unit (DCU), the Cabinet Control Unit (CCU) seamlessly integrates using plug and play technology via RJ45, making expanding security to your cabinets easier than ever. Use the DCU to record and monitor all access to your server cabinets.

Our card access reader supplies detailed reports on who accesses your cabinets and when.



### A Modular System

Start your Access Control system with a basic package to gain control over a single entrance or exit. Designed using a modular infrastructure, AKCP ensures that your system is custom built to suit your needs.

## AKCess Pro Server Management Software

AKCess Pro Server takes the best from video monitoring software and is the first to combine it with environmental / security sensors and access control equipment in one centralized management software package.

AKCess Pro Server is the only IP Video, Sensor and Access Control Centralized Management Software on the market. It acts as the core for your monitoring / surveillance system, connecting all your hardware for an optimal, integrated solution.

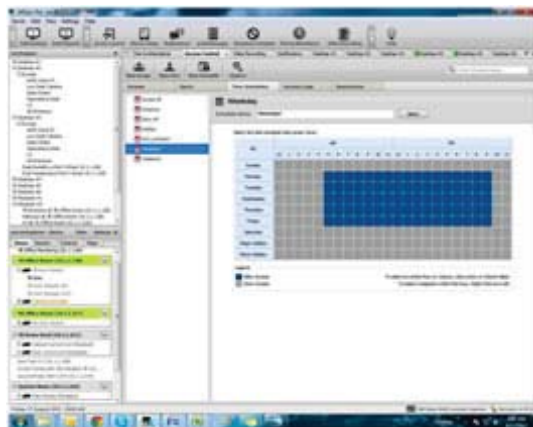
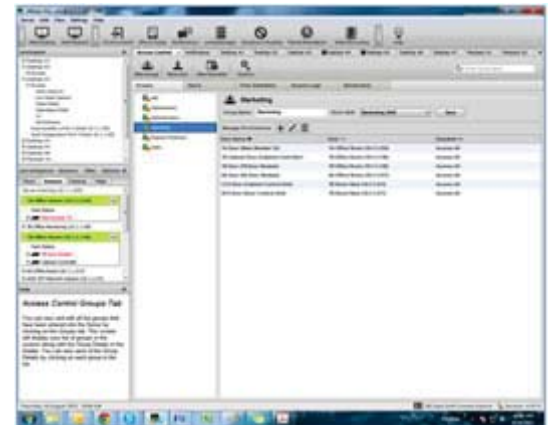


## Access Control & AKCess Pro Server

### User Groups Management

The AKCess Pro Server Application gives you the flexibility to manage your entire Access Control system remotely. Set up User Groups that allow you to deny or restrict access to any door connected to your network.

An easy to use, Bulk Adding Wizard allows you to sort your users by Name and Department so you can find your personnel with ease.



### User Access Schedules

Unique access schedules give you the ability to define when your employees access a set of doors. Choose what days, hours and even minutes, via an intuitive time system, you want to enable access to keep your assets both safe and secure.

Preset schedules are included to get you up and running as quickly as possible.

## User Management

At the core of the AKCess Pro Server application the User Management area allows you to create new users via an intuitive Wizard. Add proximity card numbers, PIN Codes and even configure Thumbprints.

You may enable or disable validation periods to restrict access to a single user after a specific date. This is particular useful in maintenance situations or guest user scenarios.

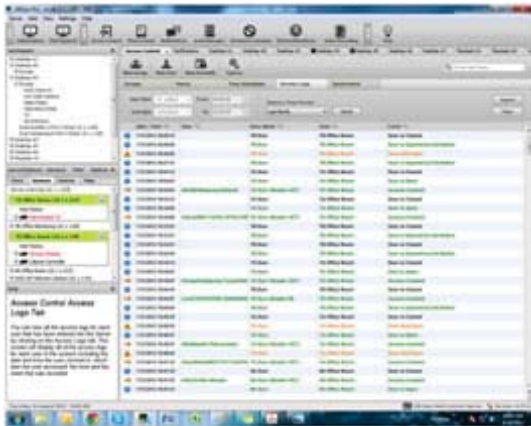
Other personal information such as Profile Pictures, Departments and general contact information can also be saved.



## Advanced Analytics and Reporting

The Advanced Reporting feature allows you to output a wide variety of reports unique to your own system and export to a widely accepted .CSV format.

Included are a number of popular report types so you can start to use your data effectively, once it has been aggregated.



## Archive and Search Video

Cameras are recognized automatically, and user wizards customize recording parameters and notifications to your preferences. Cameras can be programmed to record upon a specific time, sensor event or 24 Hours a day, 7 days a week.

AKCP's state of the art video search engine deploys timeline scans of captured and archived video to locate the exact events you need. Time-stamped video capture can be linked to other sensor and monitoring data making video footage and information easy to locate.



Connect the AKCess Pro Server to the Door Control Unit and manage enterprise access control with your customized hierarchy of alert notifications. You can remotely view video in real time, and distribute video clips and linked data via your notification options.


## Access Control Notifications

There may be occasions when you need to restrict access or block employees from sensitive information or locations. This is especially true when many engineers require access to servers or other business critical equipment and it is difficult to keep track of many personnel.

With AKCP's user groups and notifications, these issues are easily and conveniently solved. If somehow a situation does occur, you can always check what happened, when it happened, and who was there, using AKCP's video playback function.

What's more, it's possible to create an 'Action' should access be attempted by a blocked user, for example send an 'Email Notification'

Sensor Name	Action Status	Action Name
7B Door (Reader IN) (10.1.1.138)	No Permission	E-Mail
DCU Door (10.1.1.211)	Held Open	Relay Light toggle Held Open
DCU Door (10.1.1.211)	Closed	Relay light OFF



The screenshot shows an email interface with the subject 'DAVID REID tried to access Door 7B (Reader IN)'. The email body contains a timestamp 'Time: 10:54:37' and the message 'Door 7B (Reader IN) is Access Denied: No Permission'. Below the text are three high-resolution video frames showing a person at a door.

**David Reid tried to access Door 7B (Reader IN)**

**From : Office 7th Floor (10.1.1.166)**  
**Time : 10:54:37**  
**Door 7B (Reader IN) - Access Denied : No Permission)**

**A sequence of high resolution images included as attachments in the email.**

These notifications can be enabled or disabled to restrict access to a single user after a specific date. This is particularly useful in maintenance situations or for guest user scenarios.

For example : Schedule an engineer to perform work on a specific server cabinet for a specific time and date.

## Access Control Reporting and Analytics

Groups		Users		Time Schedules		Access Logs		Synchronize	
Start Date	8/ 1/2012	From	00:00:00	Select a Time Period :		This Month		Export	Filter
End Date	8/17/2012	To	13:18:57			Apply			
Date / Time	User	Door Name	Host	Event					
8/17/2012 13:44:41	(Mot)Nathawat Vongchinsri	7B Door (Reader IN)	7B Office Room	Access Granted					
8/17/2012 13:43:35	(Toon)PAITON APAPAIROJ	9A Door (Reader IN)	9A Office Room	Access Granted					
8/17/2012 13:39:32	(Ta)PAPHOP MANAKAMJORN	9A Door (Reader IN)	9A Office Room	Access Granted					
8/17/2012 13:38:43		9A Door	9A Office Room	Door Held Open					
8/17/2012 13:38:13	(Ping Pong)DANU ONKAEW	9A Door (Reader IN)	9A Office Room	Access Granted					
8/17/2012 13:34:04	(Petch)JAKRAPAN SUKONTAR	7A Door (Reader IN)	7A Office Room	Access Granted					
8/17/2012 13:23:38	Eric Knowles	7B Door (Reader IN)	7B Office Room	Access Granted					
8/17/2012 13:20:33		9A Door	9A Office Room	Door Held Open					
8/17/2012 13:20:16	DAVID REID	7B Door (Reader IN)	7B Office Room	Access Granted					
8/17/2012 13:20:02		7B Door	7B Office Room	Door Forced Opened					
8/17/2012 13:17:25		7B Door (Reader IN)	7B Office Room	Access Denied: Wrong Card/PIN Combination					
8/17/2012 13:17:20		7B Door (Reader IN)	7B Office Room	Access Denied: Wrong Card/PIN Combination					
8/17/2012 13:13:17	(Ritz)VARIS VORAVETSAKUL	7B Door (Reader OUT)	7B Office Room	Access Granted					
8/17/2012 13:13:04	(Aom) ISARA TAIWATTANA	7A Door (Reader OUT)	7A Office Room	Access Granted					
8/17/2012 13:12:52	(Aom) ISARA TAIWATTANA	7A Door (Reader IN)	7A Office Room	Access Granted					
8/17/2012 13:12:41	(Mot)Nathawat Vongchinsri	7A Door (Reader OUT)	7A Office Room	Access Granted					
8/17/2012 13:12:04	(Top)Krittin Meesuk	7B Door (Reader OUT)	7B Office Room	Access Granted					
8/17/2012 13:12:01		9A Door	9A Office Room	Door Held Open					

All access control data is recorded in the Reports Tab and at any time this data can be checked against alerts or notifications received.

8/17/2012 13:20:02		7B Door	7B Office Room	Door Forced Opened
8/17/2012 13:17:25		7B Door (Reader IN)	7B Office Room	Access Denied: Wrong Card/PIN Combination
8/17/2012 13:17:20		7B Door (Reader IN)	7B Office Room	Access Denied: Wrong Card/PIN Combination

The Access Control Reporting feature allows you to output a wide variety of reports unique to your own system and export to a widely accepted .CSV format. The AKCess Pro Server Management Software includes a number of popular report styles so you can analyze your data effectively, once it has been aggregated into your selected reporting tool.




## Fingerprint Time & Attendance

AKCess Pro Server Management Software eliminates the tedious tasks involved with monitoring employee time and attendance. Our integrated time & attendance, works alongside our monitoring devices, helping you monitor your labour costs and improve business productivity.

### Register a Finger Print

To associate a Finger Print with this user follow the on-screen instructions.



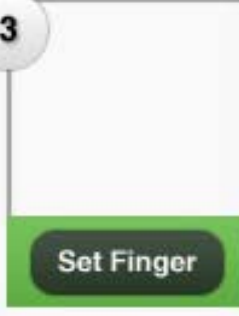


Select a Reader **AKCP Finger Print (USB)** ▼

Reader Status **Online**

**Start Enrollment**

Each enrollment requires three finger scans. Please follow the on-screen instructions.

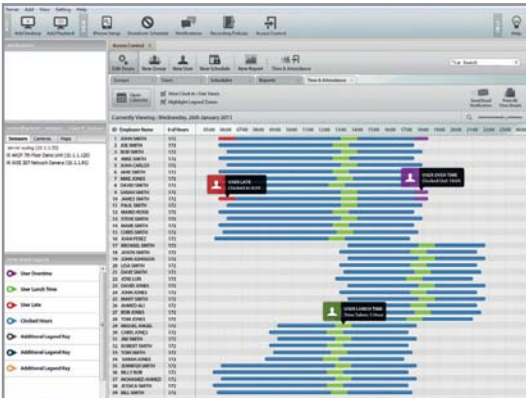
-   
**Step 1 Complete**
-   
**Step 2 Complete**
-   
**Set Finger**  
**Awaiting Finger Print**

### Did you know?

AKCess Pro's advanced fingerprint scanners use a digitized reading of your fingerprint as a security access key. Fingerprinting is often used in buildings that require a high level of security, such as network data centers and military / government sites.

## Time & Attendance : Reports

AKCess Pro Server Time & Attendance Visual Reporting feature allows you to view and output wide variety of reports unique to your own system. The AKCess Pro Server Management Software includes a number of popular report types so you can start to use your data effectively.



Visual view - Shows all your system users on an easy to review interface.

In Work  
Late  
Overtime  
Public Holiday  
Absence

Sickness  
On Holiday  
Out of the Office

## Time & Attendance : Features Overview



### Visual View

Show all your system users on an easy to review interface with colours highlighting the status of each clock period.



### Administrator Control

Set privileges for trusted users to manually edit Clock In/Out Times and add reasons for absence.



### Export to Payroll

AKCess Pro Server features advanced export to CSV so that you can import your collected data into your Payroll Software. You may customize all of your collected data in a form which suits you.



### User Details Pop Up Screen

Whilst the visual view allows you to see at a glance your employees clock in and out times. The User Detail's pop up screen lets you view their personal data and contact details at a glance.

## Door Control Unit : Technical Specifications

<p><b>Dimension</b></p> <p>Size : 8.5" x 5.43" x 1.80" Weight : 1 Kg</p>	<p><b>Expansion Ports</b></p> <p>2x RJ-45 Expansion Ports 115.2K BPS Data Transfer Rate Simultaneous Functionality between Expansion Ports &amp; RS485 Port Threshold Status</p>	<p><b>Mounting</b></p> <p>Rack Mount Brackets included Compatible with AKCP's DIN and Rack Mount Trays</p>
<p><b>Power Requirements</b></p> <p>Voltage : 12 VDC, 3Amp</p>	<p><b>Status Indication</b></p> <p>LED Indication for Power LED for Network Connectivity LED for Sensor Online and Threshold Status LED for Door Status</p>	<p><b>Output</b></p> <p>Ext. Speaker Out, 2.5" Jack (Analog) For Modem Application</p>
<p><b>Power Consumption</b></p> <p>Typical 5.025 Watt, 0.67A</p>	<p><b>Operating Environment</b></p> <p>Temp : Min -35 C°- Max +55°C Humidity : Min 20% - Max 80% (Non-Condensing)</p>	<p><b>Components</b></p> <p>Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.</p> <p>CPU : AKCP i.MX25 Processor Processor 128 MB On-Board NAND Flash Memory Slot Drive</p>
<p><b>Inputs</b></p> <p>2x RJ-45 Sensor Ports 2x RJ-45 Expansion Ports 1x USB 2.0 Modem Port 4x Video Ports 2x Fingerprint Ports (when using Fingerprint Readers it is recommended that only x2 Video Ports are enabled.) 2x Wiegand 26 Ports 4x PTZ Two Pin Controllers Audio In (Analog) 2.5" jack RS485, 2 Pin Terminal box, (used for Modbus)</p>	<p><b>MTBF</b></p> <p>400,000 Hours</p>	<p><b>Expansion Boards</b></p> <p>8 Port Intelligent Sensors Module (E-Sensor 8) 16 Port Dry Contacts Module (E-OPTO16) Extendable up to 1,000 Feet or 300 Meters Expansion modules are daisy chainable. Cabinet Control Unit (25 per chain)</p>