



# **Product Overview 2009**

# Company

Commitment, innovation and quality have made Axxess Identification a leading company in the manufacture and sales of electronic access control and security management systems.

With more than 10 years experience in the design, manufacture and distribution, Axxess Identification is well-known for its innovative approach. From small single door facilities to multiple sites with thousands of users, Axxess Identification has the solution.

In addition to complete access control systems, Axxess Identification also offers a full range of OEM products, including a choice of reader and card technologies, biometric readers, reader data converters for system integrators and security manufacturers.



Axxess Identification's head office is located near Swindon, United Kingdom, with its core business activities in Europe, America and Asia.

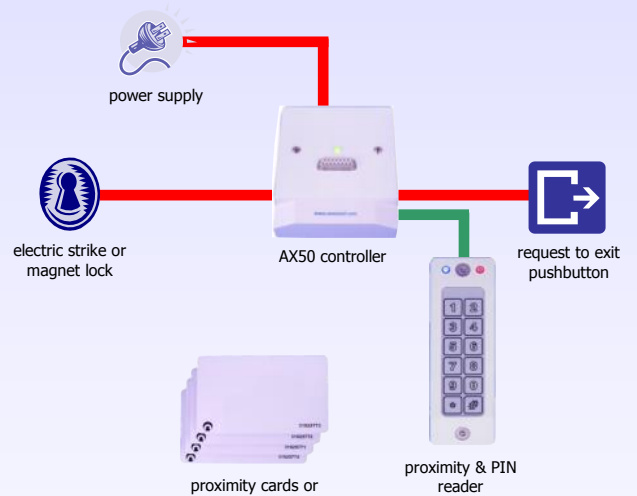
## AX50

The AX50 access control kit is a compact, standalone single door controller supplied with a proximity reader with keypad, controller and cards.

Presenting the wireless smart card within 10cm (4") of the slim-line reader or entering the individual pin-code, automatically verifies the unique code and opens the door if access is allowed for the individual.



- standalone kit
- controller on secure side
- 500 cards/fobs and/or PIN
- individual add, delete and block load of cards/ PINs
- upwards compatible
- compact size

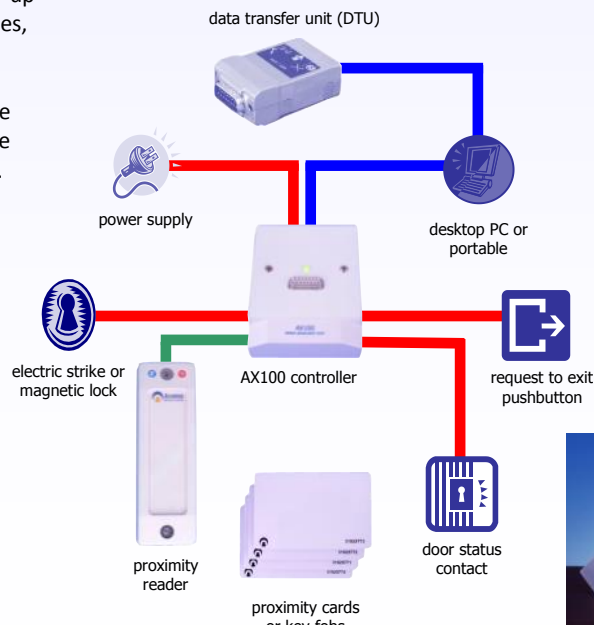


## AX100

The AX100 access control kit is a compact, standalone single door controller supplied with Windows™ Plug and Play software for up to 4,000 cards - ideal for all doors, gates and barriers – in offices, factories, warehouses, hospitals, membership clubs etc.

Presenting the proximity card within 10cm (4") of the slim-line reader, automatically verifies the unique code contained in the card and opens the door if access is allowed for the individual.

- 1 door PC-based system
- plug & play
- controller on secure side
- 4,000 cards/cards + PIN
- on or offline system
- data transfer unit (DTU)
- includes PC software for multiple controllers/ DTUs
- import/export utility



## Data Transfer Unit

If permanent connection of the PC is not possible, or the use of a laptop is impractical, the optional Data Transfer Unit (DTU) can be used. This still allows the use of the powerful software features offline, as all the data is downloaded to the DTU.

Simply plugging the DTU into the controller downloads the correct data to the controller, using the unique built-in address.

- total control of AX100 controllers
- portable communication unit
- up to 255 controllers / single download
- 16,000 cards
- plug & play



## AX100 SDK

The AX100 Software Development Kit allows system integrators and OEM's to simply and quickly integrate access control into their own applications.



## AX200

The AX200 is an Ethernet based (TCP/IP) high-speed controller. Two AX100 intelligent door controllers can be connected direct to each AX200.

The PC software included automatically detects the jumper-less controllers. The extremely small controllers can easily be fitted local to the door and allows connection to an existing local and wide area networks using low cost standard CAT5 cabling. This provides an economical way to control doors requiring long cable runs or for remote offices and sites without the need for costly dial-up modems or cabling.

Automatic setup and wizards reduce not only the installation and maintenance time considerably but also provides the novice or infrequent user guidance to quickly perform a wide range of tasks.

The Remote Reporting Module allows client PC's on a LAN / WAN to generate reports – allowing the operator to view, print and save data locally - including time & attendance reports - making this an ideal solution for personnel departments, security guards and other employees.

An ActiveX software development kit for third party developers is available for integration to other software packages.

- Up to 256 doors & 65,000 users
- 256 time zones; 65,000 access levels
- E-mail reports
- 5 inputs, 5 outputs & 1 fire alarm input
- Exception monitoring
- Integrated time & attendance
- Desktop enrolment support
- Integrated photo ID
- Roll call
- Optional – Remote Reporting Module



# AX Photo ID

Complete photo ID system, for printing directly onto ISO proximity and magnetic-stripe cards. The kit includes dye-sublimation printer, printer ribbon, USB printer cable, USB camera, software drivers and a pack of blank white test cards.

Note: USB is not supported on Windows NT.

The AX200 integrated photo identification software allows each cardholder to have a photo imported or taken from a live camera for video verification and photo ID card printing with easy to configure user-definable card layouts.

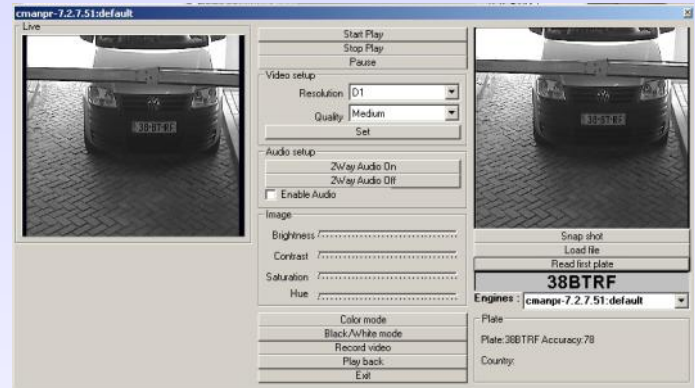


# ANPR

Automatic Number Plate Recognition (ANPR) utilising ip-based infra-red day / night cameras.

Not only can you restrict who has access to buildings, car parks and complete areas and sites, but you can now restrict and monitor vehicles too. Standard AX200 software can store up to 2 number plates per cardholder allowing a complete solution to personnel and vehicle access control and environmental monitoring.

- ip infra-red cameras day / night
- cost effective solution single camera, for ANPR and colour viewing and recording
- high resolution 1.3 megapixel cameras (1280x1024)
- car park management and control
- vehicle access control for commercial and industrial entry / exit
- server based authorisation up to 65,000 users



# Cameras

The cameras are available for a range of environments—from outdoor vandal-proof solutions to smaller office based internal. All our IP based cameras integrate with existing networks making installation easier than conventional analogue cameras. An added benefit of IP cameras is that it enables remote site monitoring to be setup quickly and easily. High resolution cameras ensure a high quality picture and with infrared you can monitor day or night.

AX Enterprise incorporates remote site monitoring with local recording in camera with alarm events. The AX200 software supports up to 16 cameras recording and viewing integrated. The system is expandable up to 64 cameras.



# i-Box Environmental Monitoring & Control

The i-BOX provides true RFID access control security, intrusion, environmental monitoring and remote-site monitoring within a single small boxed solution.

Each i-BOX has a built-in temperature, humidity, light level and internal voltage sensor—with 14 ports for plug and play connection of additional smart sensors, together with two access control ports.

The central management software provides environmental monitoring and control, rack and cabinet access management, integrated photo ID, time & attendance, building access control, car park management, ANPR, roll call and alarm management.

Many essential servers, network infra-structures and other business-critical assets are located within cabinets and racks shared with others. The room may have intrusion and access control protection however individual companies have no control of their own assets.

An ActiveX software development kit for third party developers is available for integration to other software packages.



i-BOX which provides IP based integrated access control and environmental monitoring also incorporates ARC (Alarm Receiving Centre) support.

For added flexibility—the i-BOX is available in 3 models:  
Access Control & Environmental—i-BOX  
Access Control only i-BOX—A  
Environmental only i-BOX—E

## i-Box Sensors

i-BOX provides extensive environmental monitoring for rooms and cabinet enclosures, the scalability of the system reflects this. Using strategically placed smart sensors, the system administrator has a clear picture of the condition within multiple parts of each enclosure.

Temperature measurements can vary significantly, concentration of equipment can produce hot spots—i-BOX can measure the temperature between equipment providing early warning of a potential problem. As the load on servers, switches, and routers varies, so does the heat output.

Monitoring suitable conditions within acceptable limits is vitally important—i-BOX monitors temperature, humidity, power, flood, smoke, hot spots and others, preventing environmental conditions exceeding recommended thresholds—this in turn gives un-rivalled protection to sensitive equipment.

- Temperature sensor
- Temperature and humidity sensor
- Light level and door contact sensor
- Flow and temperature interface
- Pressure and temperature interface
- Fan speed and temperature sensor
- Door contact
- Door / panel position sensor
- Vibration / shock sensor
- Temperature & door contact sensor
- General analogue interface
- Mains present monitoring sensor
- Flood sensor with flood cable
- Smoke and temperature detector
- Intrusion / movement PIR
- Sounder / beacon module
- Fan fail sensor for fan tray
- Dust particle sensor
- Input / output module
- FireTecPro fire extinguishing interface
- Alarm interface



## Rack & Cabinet Control

Fully integrated cabinet lock with built-in reader and controller enabling complete access control for racks and cabinets. Combine with the following sensors for total monitoring and control of critical assets:

- temperature & humidity control
- power monitoring & control Kwh, voltage and current
- fan speed control
- dust particle monitoring
- side panel & door monitoring
- flood sensor
- smoke detection
- automatic fire extinguishing with Novec gas



## IT-Locks

IT-Locks provides proximity card-based desktop security for PC's and laptops. Simply removing the card from the small desktop reader blocks the PC and monitor instantly from unauthorised users. Unlike Windows passwords, the proximity card cannot be copied or duplicated. IT-Locks leaves your data secure and can co-exist with Windows security or other third party software applications. Hard disk data remains unchanged.

IT-Locks instantly secures your keyboard, monitor and mouse and is ideal for open plan offices, training rooms, colleges and other areas where you do not want others to have access.

The instant privacy button blacks out the screen from prying eyes- keeping the on-screen data confidential – by pressing the privacy button again restores the screen to where you left off. The compact desktop reader connects to the USB port on your PC requiring no external power supply or other devices. Simply installing the easy to navigate software and IT-Locks is up and running.

IT-Locks can also be used as a virtual keyboard driver (VKD) to read the electronic serial number of the card in any Windows™ based application – making it an ideal solution for 3<sup>rd</sup> party applications.

Central management of multiple units using AX200 software and on AX Enterprise with time zone transactions.

- Administrator passwords
- User accounts
- Wireless smart card technology
- Enrolment reader
- USB connection
- 125KHz technology
- 13.56MHz Mifare™ version also available
- Privacy button
- Virtual keyboard driver for
- 3<sup>rd</sup> party applications
- Energy saving



## Kyocera Printer Control

- Kyocera Mita direct printer integration
- secure printing
- print job release after valid card or PIN
- control number of pages per person
- 65,000 printer groups

- central monitoring & control of all printers and copiers
- limit & control number of pages per user
- time-zone based printing
- colour and mono printing control
- reports per user / department of print jobs and limits

## Energy Key Card Switch

The EKC-5 is a card operated, energy saving, electrical switch, allowing on / off control using a proximity card.

The unit is easy to use, requiring no programming. Simply inserting an AX 125 KHz proximity card or compatible into the switch activates the relay turning the power on, removing the card will turn the power off after a 10 second delay.

Ideal for use in hotels, offices, and factories for controlling lighting and machinery etc.

- standalone operation
- electronics powered from mains
- LED indicator
- works with AX, HID and other compatible 125Khz cards
- Mifare 13.56MHz version available
- I-CODE and other card technologies available upon request
- maximum load 30A 230 volt
- compatible with standard single gang back box for easy installation



## Motorised Magstripe Reader

The AX motorised reader allows visitors or invalid / expired cards to be retained, whilst valid user cards are returned.

The interface provides a standard 50 bit Wiegand interface; other formats available on request.

The magstripe can be encoded with a one-time valid code indicating whether the card is to be retained. Alternatively the two inputs can be activated within a two second time period to command return or retention of the card.

The optional available proximity reader module works in combination providing a standard Wiegand interface.



## AX Proximity Reader

- Proximity 125KHz
- Weather Proof IP68
- 13.56MHz Mifare™ version also available
- Read range 10 cm
- Wiegand Output
- Magstripe Output
- Flexible Card Formats
- Cable length 2 meters
- Blue & Tri-colour LED
- Buzzer



## ISO Proximity Card

- For use with AX proximity readers
- ISO standard size
- 125KHz
- Glossy surface for dye-sublimation printers (photo ID systems)
- 13.56MHz Mifare™ version also available
- Encoded and numbered
- Sold in packs of 10



## AX Proximity with PIN

- Proximity 125KHz with PIN
- ISO10536
- Weather Proof IP68
- 13.56MHz Mifare™ version also available
- Read range 10 cm
- Wiegand Output
- Magstripe Output
- Flexible Card Formats
- Cable length 2 meters
- Blue & Tri-colour LED
- Buzzer



## Proximity Key Fob

- For use with AX proximity readers
- 125KHz
- Nail-friendly key ring
- Encoded and numbered
- Colour: Grey
- Size 35x40x6.5 mm
- Sold in pack of 10



## Media Converters

- RS232 to RS422
- RS232 to RS485
- USB to RS232
- USB to RS485
- Ethernet (TCP/IP) to RS232



## AXM Magstripe Reader

- Weather proof IP68
- Vandal Resistant
- Reads Lo-Co & Hi-Co magnetic-stripe cards
- Choice of outputs eg. Clock & data, Wiegand
- Cable length 2 meters



## Proximity OEM Modules

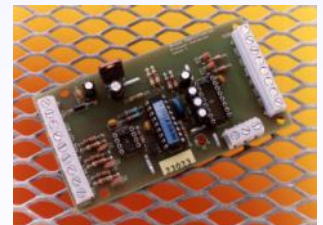
- Passive Contactless Technology
- 125 KHz & 13.56 MHz
- ISO10536
- ISO15693, ISO14443A/B
- Wiegand Output
- Magstripe Output
- Flexible Card Formats
- 2 metre cable
- Maxim SHA-1



## Reader Data Converter

Convert existing card and / or reader data from or to:

- Wiegand
- Clock & Data
- RS232
- Variety of in/output formats
- Other formats on request
- ABS housing also available to fit up to 2 converters



## HID Readers & Cards

Access ID are distributors of the complete range of access control readers and cards. The HID line consists of product brands such as iCLASS, SmartID, HID Prox and Indala Prox. HID's access control readers and credentials feature low-frequency (125 kHz), high-frequency (13.56 MHz) and multi-technology solutions.



# AX Enterprise Software

The AX Enterprise is a web-based monitoring and control application specifically designed for larger installations and remote sites.

The Enterprise software operates on Microsoft Server 2003 with IIS (Internet Information Service). Access can be from anywhere in the world with internet access and a standard web browser like Microsoft Internet Explorer. Using a standard web browser avoids the need to install and maintain additional client software. Industry standard firewalls can be used to ensure suitable protection of the data.

Graphical floor plans allow visual control and monitoring of sites and areas. Drawings and photographs can be imported in standard formats eg JPEG, GIF, TIFF and BMP, allowing users to quickly and easily set up new sites or area's. AX200 software and Enterprise can run on the same server but is often installed onto a separate server with an ISP (Internet Service Provider) The AX200 software acts as a communication server and only publishes pre-defined information.

The software as standard supports up to 512 sites expandable up to 4096 sites with 512 readers per area/site. 65,000 cardholders are supported with 256 time zones and 65,535 access groups subject to hardware requirements.

Enterprise software is also available as a Dual Redundant version providing fully automatic changeover in case of failure of the lead/main server.



IP Access Control



Environmental Monitoring



Reader Technologies



PC Security & Energy Saving



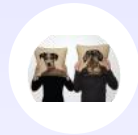
Car Parking Control



Automatic Number Plate Recognition (ANPR)



Roll Call



Video Verification



Alarm Receiving Centres (ARC)



360° CCTV Lens Support



Third Party Applications



Time & Attendance



Remote Site Monitoring



Photo ID



Cabinet Extinguishing



CCTV Recording & Viewing



Alarm Interface



Rack & Cabinet Control



Printer Control



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