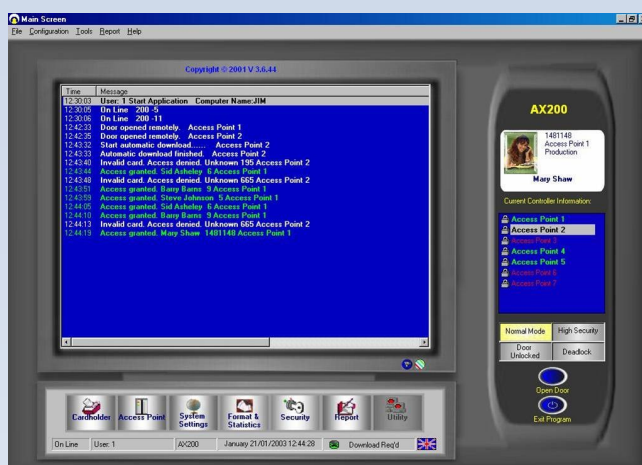# AX200

plug & play ethernet TCP/IP access control

Product Features

- Total card management—access control, roll-call, photo ID printing, exception and environmental monitoring

- up to 512 readers per site

- Ethernet TCP/IP 10Mb communication

- Plug & Play LAN

- Wide Area Network support

- 256 time zones

- 65,535 access levels

- 4,000 cardholders - expandable in steps up to 32,000 per controller

- Transactions stored locally at the controller

- Real-time Roll Call and 'Who's In'

- Environmental Monitoring – temperature, humidity, flood, light level and current measurement

- Add / Replace card wizard

- Import/ Export database

- New device wizard

- E-mail reports, alarms, exceptions

- Automatic database repair and maintenance

- PC database holds 65,000 cardholders

- Easy to install

- Supports multiple reader technologies

- Selectable door open & extended door open time

- Deadlock

- Door held open and door forced alarms

- High security mode provides instant change of access levels

- Latch function (permanent unlock)

- Scheduled backup utility

- Windows 7, 8.1 and 10

The AX200 is an Ethernet based (TCP/IP) high-speed controller. Two AX100 intelligent door interfaces can be connected to each AX200—with its modular design, the system can be expanded up to 256 controllers per site with 32,000 cardholders.

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 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 reduces 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 AX200 has been optimised for Wide Area Networks with minimum bandwidth and 'smart' packaging of data to avoid collisions. This optimisation makes it ideal for controlling and monitoring hundreds of remote sites—from a central location. Typical applications include supermarkets, offices, utility companies, hospitals, universities and any other organisations with satellite buildings.
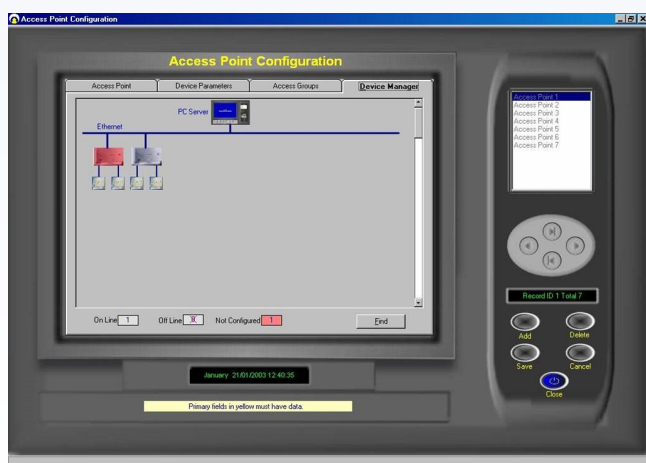
Who's In

Do you know who is in the building at any given time?

The AX200 software includes a single mouse-click operation to provide a list of who's on site in an instant. This is an extremely useful tool ideal for emergency / muster situations.

How does a visitor book-out of the system if they have already returned their visitor pass to reception?

Receptionists and other authorised users can manually book-in or out individual cards—ensuring your "who's' In" list is constantly up-to-date.

General Features

Lost or stolen cards can be quickly cancelled or replaced using the card replacement wizard, thus avoiding the need to re-enter all the cardholder data and also will keep track of previously issued cards to all staff.

The powerful PC software can hold over 60 database fields per cardholder including photograph, company details, department, personnel data, membership data and vehicle details with search and quick search facilities.

The software provides real-time door status information and direct single action door control from the main screen for online readers.

In the event of loss of communication with the access control PC all controllers continue to operate and stores locally the transactions with date and time stamp until communication with the PC is restored and the data is automatically uploaded to the PC.
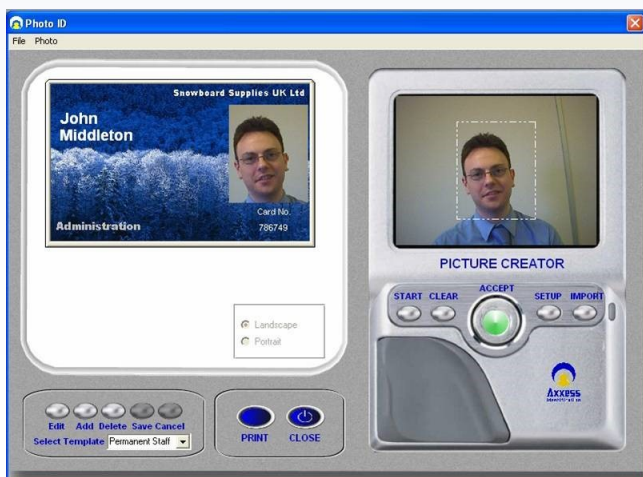
The graphical time zones can be setup to restrict certain users access outside office hours or weekends and bank holidays whereas other cards can be setup to have access 24 hours / 7 days a week. With 256 time zones per user, selectable per door, even the largest organisations can restrict cardholders in greater detail.

The dedicated fire input can be programmed for individual or groups of doors and includes a quick test function.

Photo Identification

The integrated photo identification software allows each cardholder to have a photo imported or taken from a live camera for video verification.   The software can also print photo ID cards with easy to configure, user-definable card templates.

At designated doors, cardholder data including photo is displayed in real-time, to provide instant photo verification—avoiding employee 'card swapping'.

Exception Monitoring

A unique feature of the software is the exception monitoring time zones. This allows, for example, access 24 hours a day for 7 days a week plus bank holidays, but if the cardholder enters the building outside normal working hours then this will flag up as a special event, silent alarm at the host control, or automatically send an e-mail. Exception reports can be generated per cardholder, department or group for specific doors, sites or time periods.

Doors are monitored continuously, doors forced and left open alarm can be acknowledged centrally or at door level if the cardholder is authorised to do so.

Transactions are colour coded, clearly indicating its priority on the main screen with filters to show only alarms and exceptions.

With the use of a colour printer, reports show clearly the priority transactions avoiding the usual data overload of non relevant information.

All operator actions and system transactions are automatically logged to the hard disk and can be viewed, printed, emailed or exported to provide detailed reports of events.

Door scheduling allows the opening and closing of doors automatically at pre-set times and days.

Enrolment Reader

The USB enrolment reader—is an ideal solution for security / administration departments to assist with the issuance of cards / fobs to employees.
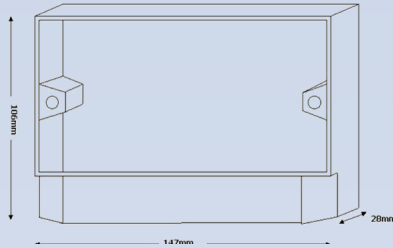
The enrolment reader automatically inputs the card / fob number in the card number database field—not only reducing the risk of validating an incorrect card but also reducing the manual input of data.

Technical Data

AX200 Controller

+12vDC 250mA
White ABS—double gang electrical backbox
147 x 106 x 28mm
(4.17 x 5.79 x 1.1")

AX100 Network Ready Controller

part no. 105-100-1
+12vDC 45mA
Steel powder-coated white face plate, white ABS housing
87 x 87 x 28 mm (3.43 x 3.43 x 1.18")

AX Proximity Reader▪

part no. 105-220-WH
12VDC 45mA
Proximity card reader. White or black ABS
119 x 40 x 17 mm (4.69 x 1.57 x 0.67")

AX ISO Proximity Cards

part no. 205-220
ISO proximity cards for use with AX Proximity and Proximity with Keypad readers. Suitable for photo ID printing.
54 x 85.7 x 0.84 mm (2.125 x 3.375 x 0.033")
Sold in packs of 10.

AX Proximity Key Fob

part no. 205-221
Proximity key fob for use with AX Proximity and Proximity with Keypad readers.
35 x 7.5 mm (1.38 x 0.3")
Sold in packs of 10.

AX Mini Proximity Reader

part no. 105-274
+12vDC 28mA—standard / 40mA— during card read
AX mini proximity reader, suitable for indoor or outdoor use.
12VDC, format Wiegand 50 bit, reading range: 20—30mm (0.78—1.18")
34.5 x 58 x 18.5mm (1.36 x 2.28 x 0.73")

AX200 Kits

The AX200 is available as packaged kits as follows:
AX200 1 Door Kits—comprise:

1	x	AX200 TCP/IP controller
1	x	AX100 network-ready controller
2	x	controller fixing kits
1	x	AX proximity reader (black or white)
1	x	reader fixing kit
10	x	proximity cards
1	x	UTP CAT5e 2 metre patch lead
1	x	installation / user guide

*2 Door Kits—comprise as above **plus***

1	x	AX100 unit
1	x	controller fixing kit
1	x	AX proximity reader (black or white)
1	x	reader fixing kit

Alternatively, kits can be ordered without readers and cards for existing systems*

Part Numbers

AX200 TCP/IP controller & software	105-201
AX100 network-ready controller	105-100-1
AX ISO proximity card	205-220
AX proximity key fob	205-221
AX200 1 Door Kit w/o Readers/Cards*	105-203
AX200 2 Door Kit w/o Readers/Cards*	105-202
AX200 1 Door Kit—AXP Reader▪	105-203-AXP
AX200 2 Door Kit—AXP Reader▪	105-202-AXP
AX-USB Enrolment Reader	107-211

Warranty Period

The equipment is guaranteed against defects in materials and workmanship for 2 years from date of shipment (see warranty policy for details). Due to continued research, development and product enhancements, the information contained in this publication is subject to change without notice.

27-28 Shrivenham Hundred Business Park, Watchfield, Swindon, Wiltshire   SN6 8TZ   United Kingdom
Tel: +44 (0)1793 784002
Fax: +44 (0)1793 784005
Email: info@axxessid.com
Website: www.axxessid.com

1604-1

Distributor: