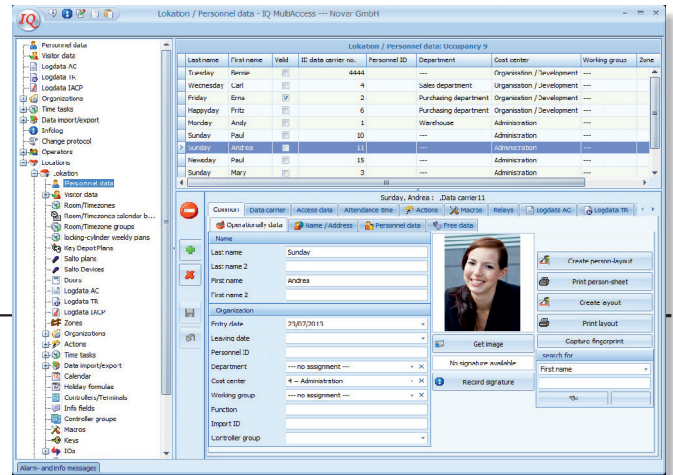# IQ MultiAccess

Access Control Software

IQ MultiAccess – the outstanding access control software – offers almost endless possibilities of use thanks to the numerous combinations of the available hardware and software functions.

The superior concept offers the control of different locations via one system. Locations can be either several sites of a company, several companies within a building / building complex / business parks or several individual companies that use a common access control system.

Different types of controllers/terminals, connection and reading techniques can also be managed per location.

Within one building it is possible for several companies to use collective doors without seeing the data of the other companies (mandators).

State of the art:

SQL database link. IQ MultiAccess is supplied with a licence-free SQL database "Firebird". Its installation, management and maintenance require no knowledge of databases as IQ MultiAccess performs all three itself (Basis package).

Furthermore, the IQ MultiAccess Professional package enables also links to existing databases (MS SQL, ORACLE).

Tailor-made:

Simple operation, clear and precise arrangement and data protection are guaranteed by a hierarchical user organization.

The superuser has all rights within the system; personnel managers only manage persons within the system; location managers only have access to the location allocated to them and these rights can also be specially defined.

Features:

- **Management of locations (several locations of a company or several clients/companies at one location)**

- **Access to collective doors by several mandators**

- **Authorization hierarchy due to user-related rights with varying rights within the system or location-related**

- **ACT, ACS-1 / 2 plus / 8 components connectible**

- **Hardware management, separable into physical and logical**

- **SQL database link**

- **128 bit SSL encryption**

- **Simplified macro control**

- **255 clients per location, unlimited within the system**

- **999 doors per location / unlimited within the system**

- **Unlimited number of persons/IDs**

- **Integration of mifare DESFire EV1 datacarriers and change of encryption code during the runtime of the system**

- **Import/export of personnel master data from, or to other systems**

- **Import via LDAP interface and from SQL databases**

- **Global Antipassback and Barring Repeated Entry with monitoring over the entire system**

- **Door cylinders and fittings (offline, online, virtual network)**

- **Man-trap function with correlated door state influence**

- **Doorkeeper module with live image comparison**

- **Image sequence recording**

- **Creation of visitor´s IDs, administration of access rights of external persons and much more by integrated visitor administration IQ Visitor**

- **Biometrical verification and/or identifcation procedure by connection to Fingerprint systems.**

- **Holiday calendar with formular editor for individual calculation of non-date depending holidays**

- **Intruder Alarm Control Panel, (IACP)-connection. Creation and management of personnel data and authorizations of one or several intrusion detection systems. IACP-bookings evaluable in IQ MultiAccess. Operation via virtual operating unit.**

At a glance

All important functions and information are displayed well arranged on one screen page.

Each user can save his/her individual settings as standard. Depending on the user logging in, this will automatically be loaded.

File dialog window

List window

Operating range

Usability ranks first

The data selection is done in the **file dialog window** according to Windows explorer.

According to the selection, the data are listed in the **list window** and displayed in the **operating range**.

Each user can create/modify his/her own presentation (active windows, window size, display sequence, sorting, filtering in the list window) and save under his/her profile.

The data record highlighted in the **list window** can be modified in the **operating range**.

One AC system – several locations

Thanks to the option "management of locations", it is possible to run several locations of one company and/or several clients at one or several locations by only one system. However, every location operator only sees the area for which he/she is responsible.
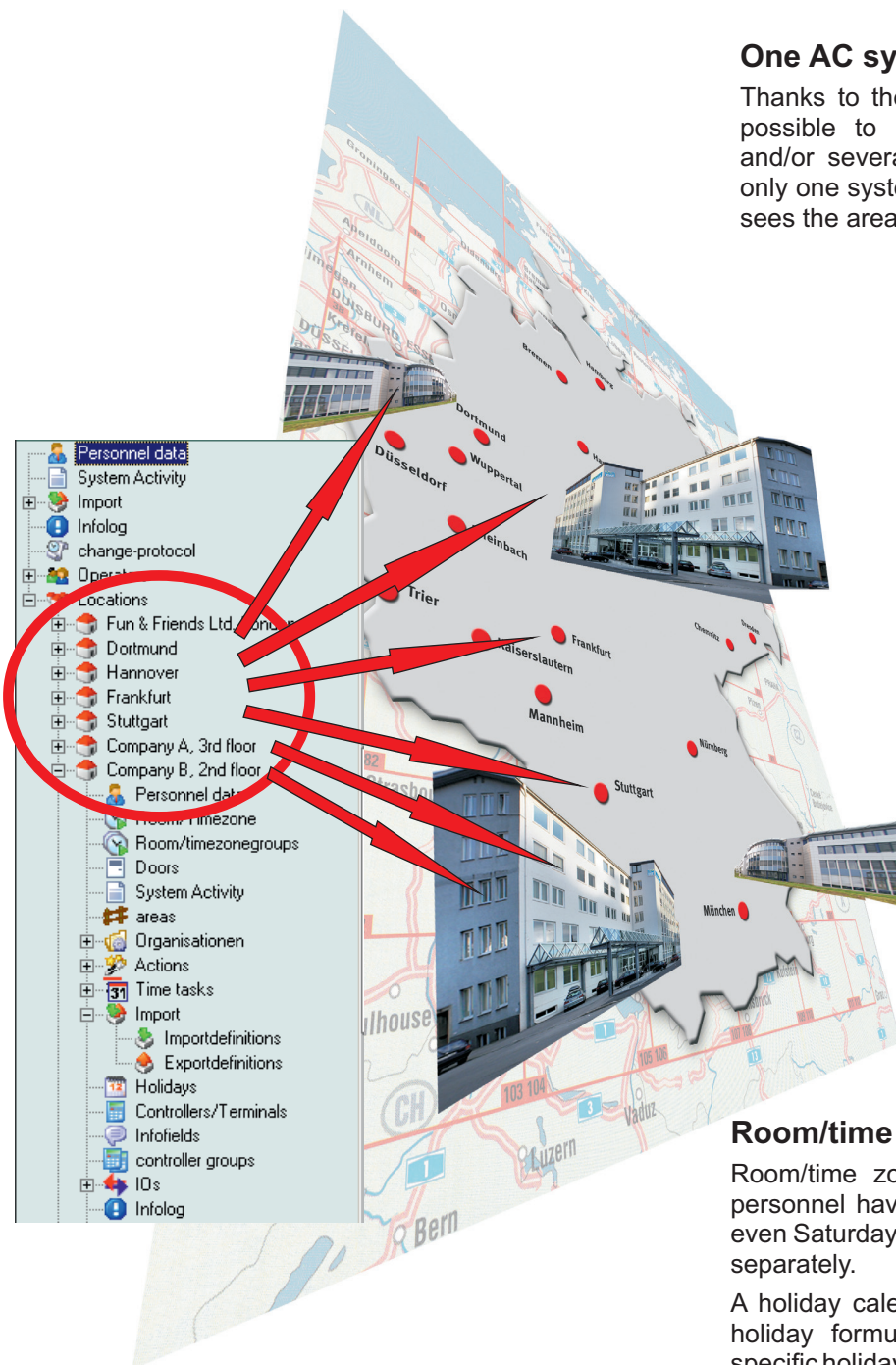
Room/time zone model

Room/time zones regulate at which times authorized personnel have access at which doors. Individual days, even Saturdays, Sundays and holidays can be considered separately.

A holiday calendar with additional individually creatable holiday formulae helps the system knowing country-specific holidays (e. g. the 1st Thursday of a month).

Variable door control

Optionally, the doors can be equipped either with locking cylinders / fittings or controlled with hard-wired components via access control controllers. Locking cylinders / fittings can be run either offline or online via radio communication.

Updates of access authorizations for offline doors have to be transported manually to all doors via a programming medium. With offline locking cylinders and fittings the communication between the access control software and the door is done by an infrared interface of a laptop or PDA.

As an option, data transfer with offline door cylinders or fittings is also possible via a virtual network.

In this version the access authorizations are not stored in the door components but on the transponders. Access authorizations for offline doors are written at a central place via an online reader. So the manual update of the door components does no longer apply.

Information on invalid cards are distributed to all doors by booking of the employees. Events and battery state are also transmitted via the cards to the access control software, where they are available for evaluations.

Doors, online controlled via access control controllers, can participate in Antipassback (inclusive virtual screen tableau), Barring repeated entry and Counter control.

One door - many users

Several companies within one building can use and administrate individual doors together. No one sees or disturbs the other company´s data.
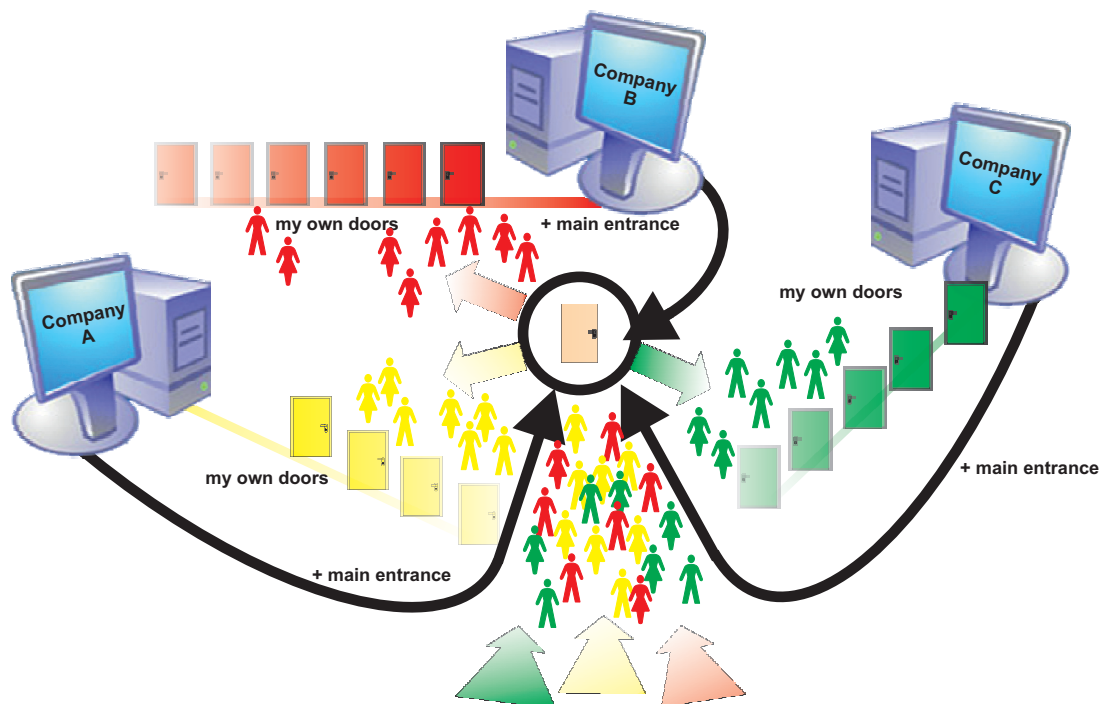
Clearly arranged installation

Almost unlimited hardware connection possibilities thanks to variety of combinations within the system and per location. Existing hardware constellations can thus be maintained.

The hardware can almost user independent be defined by a scan function which automatically recognizes the components connected. Individual default settings assist the manual hardware definition by accelerating the procedure and help avoiding mistakes.

The separation of hardware into physical and logical ensures that information remains clearly arranged despite extensive installation requirements.

Last but not least: Hardware that is physically connected to a computer of one location can be allocated logically to another location from where it is then managed. This constellation is conceivable, e.g. if the entire hardware of several locations is connected to a terminal server.

Physical representation

Where is the hardware connected?

Logical representation

Door configuration, which task has the hardware?
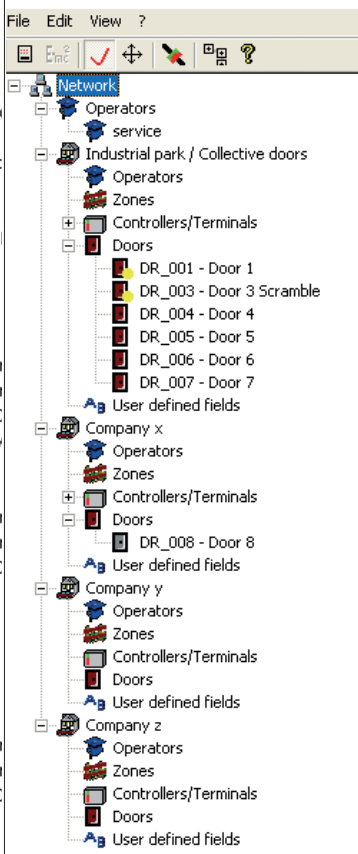
Forward-looking

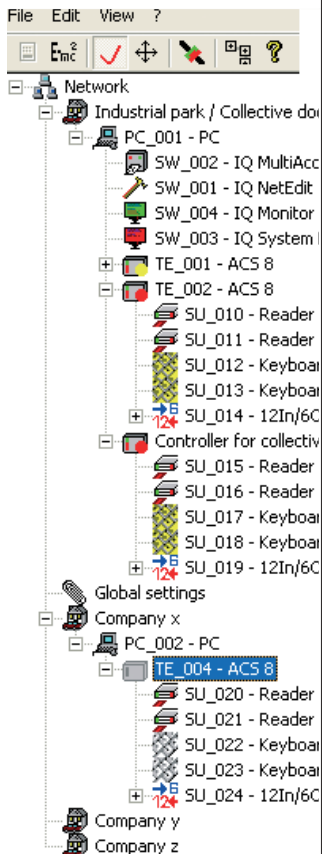Not only a new start, but also the change from our well-proved access control systems EnterpriseAccess 2000, MultiAccess Lite and MultiAccess for Windows V7 SP1 inclusive data transfer and existing hardware is possible.

Create your own IDs
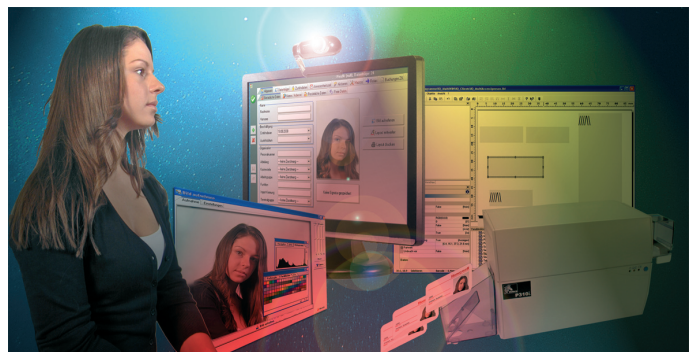
Photos and signatures can be taken and stored in the personnes master file for staff and visitor IDs by connecting a commercially vailable WEB-camera and / or a signature pad.
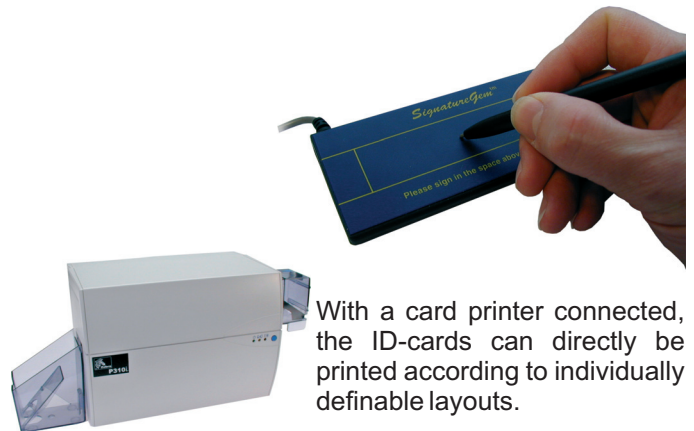
With a card printer connected, the ID-cards can directly be printed according to individually definable layouts.

Variable security levels

A wide range of security levels is available, from a simple ID authorization over doorcode, PIN (exclusive or in combination with an ID), multi-person access control, image comparison to the point of a person´s security check by random.

Central personnel management

Personnel data can be recorded, managed and allocated to the relevant locations within the system by the personnel managers that are sited outside the locations.

Individual, regional separated locations
Location A

Personnel A

IQ MA

AC-authorizations A

Location manager A
Full access to
location A

Location B

Personnel B

IQ MA

AC-authorizations B

Location manager B
Full access to
location B

Lokation C

Personnel C

IQ MA

AC-authorizations C

Location manager C
Full access to
location C

IQ MA

Superuser* with full access
to all data system wide

IQ MA

Systemmanager* with full access
to all data system wide except
IQ NetEdit

Several locations (mandators) within one building using collective doors

Location D

Personnel D

IQ MA

AC-authorizations D + collective doors

Location manager D
Full access to
location D

Location E

Personnel E

IQ MA

AC-authorizations E + collective doors

Location manager E
Full access to
location E

Location F

Personnel F

IQ MA

AC-authorizations F + collective doors

Location manager F
Full access to
location F

IQ MA

Personalmanager* with access
to all personnel data systemwide

* Superusers, system managers and
personnel manager can be assigned
to any location.

Connecting an intruder alarm control panel

IQ MultiAccess takes over the administration of authorization data of IACP switching devices by connecting one or several intruder alarm control panels of the type series MB-Secure, 561-MB24, 561-MB48 or 561-MB100.

This means data carriers, room/timezones and their authorizations of access functions, arming/disarming as well as control functions.

The location operators´ rights can automatically be set in accordance to the VdS guidelines via a "VdS switch".

The connected IACP hardware can be scanned and will automatically be set up in the hardware administration program section.

Existing master data of the intruder alam control panel will be transferred and can from now on be centrally administrated in IQ MultiAccess.
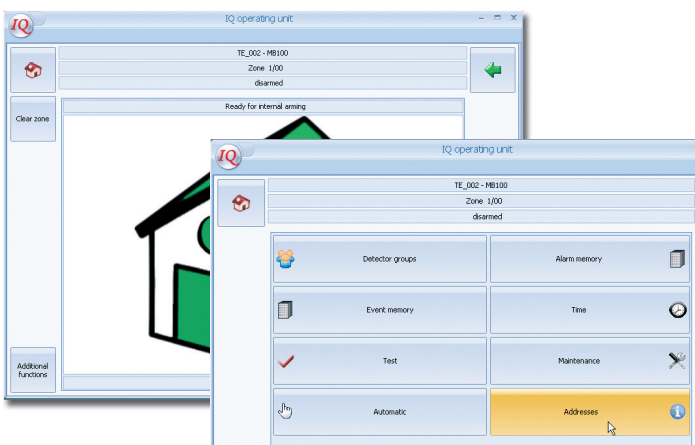

IQ MultiAccess

Intrusion detection system

Access control system

The „**virtual operating unit**" option enables
- arming / disarming
- switching on / off detector groups
- viewing alarm and event memory
- activating walking test
- starting macros
- maintenace functions
of all panels connected to IQ MultiAccess (only 561-MB24, 561-MB48 or 561-MB100).

Entries of the event memory of the IACP can be evaluated in IQ MultiAccess by using all the advantages of individual list layout.

Integration without supplementary hardware

IQ MultiAccess supports all existing remote access variants of the intruder alarm control panels to realise the technical connection.

Linking up both systems can be done either via Ethernet (TCP/IP), remote data transmission (ISDN or anlogue (PSTN) modem) or IGIS-LOOP. Thus, the existing infrastructure can be used and expanded without any problems. Communication between the systems can be done by on-demand actuated connection per ISDN or PSTN or continuous online connection by TCP/IP (including encryption) via the transmission device or IGIS-LOOP controller, depending on type of the IACP.

What you see is what you get

In addition to the factory settings, all lists can individually be created, sorted and filtered, easily by drag and drop. This includes the evaluations of the event memory of IACPs as well. All the filters itselfs can as well be created individually. The printout of all lists is exactly the same as displayed on screen. Supplementary lists and filters created once can be saved with an arbitrary name and reused anytime.

As a matter of course each user can create and save his/her individual user profile; once created always outomatically available.

Last but not least, there are export functions to the data formats EXCEL, TXT, HTML and XML.

List view in IQ MultiAccess

7

Computer requirements

	Recommended size	
	Server	**Client**
Processor	Intel(R) i7	Standard PC with latest operating system
RAM	16 GB	min. 4 GB
HDD	min. 1 TB	min. 500 MB
Security	RAID1 (= disk mirroring)* / UPS (= uninterruptable power supply* * required for server only	
Monitor with corresponding grapic card	19" 1152 x 864 pixel	
Operating system	Windows Server 2008 R2 / 2012 R2 / Windows 7/8/10 (32/64 bit) **Server / Client:** Use preferably 64 bit operating system.	
Other requirements	DVD-ROM Drive Mouse, trackball or another Windows-compatible view device (PS/2 recommended)	
For network applications	Network card with TCP/IP-protocol	

Order data

Item no.	Designation	Item no.	Designation
	Basis package for:		**Professional package for:**
029600	Demo version	029631	300 IDs
029601	300 IDs	029632	500 IDs
029602	500 IDs	029633	800 IDs
029603	800 IDs	029634	1.000 IDs
029604	1.000 IDs	029635	1.500 IDs
029605	1.500 IDs	029636	2.000 IDs
029606	2.000 IDs	029637	3.000 IDs
029607	3.000 IDs	029638	5.000 IDs
029608	5.000 IDs	029639	7.500 IDs
029609	7.500 IDs	029640	10.000 IDs
029610	10.000 IDs	029647	more than 10.000 IDs
029646	more than10.000 IDs		
			Option for:
	Database extension from:	029621	Database partitioning for multi-tenant systems
029611	300 to 500 IDs	029622	Antipassback/balancing/barring repeated entry
029612	500 to 800 IDs	029624	Live image comparison (door keeper)
029613	800 to 1.000 IDs	029625	Image and signature capture, layout and card printing
029614	1.000 to 1.500 IDs	029626	Intruder alarm control panel interface (MB-Secure, 561-MB100, item no. with index .10, 561-MB24, 561-MB48)
029615	1.500 to 2.000 IDs		
029616	2.000 to 3.000 IDs		
029617	3.000 to 5.000 IDs	013598	Virtual operating unit for 561-MB100, item no. with index .10, 561-MB24, 561-MB48
029618	5.000 to 7.500 IDs		
029619	7.500 to 10.000 IDs		(1 virtual operating unit is included in item no. 029626)
029620	more than 10.000 Ids	029650	Option Salto Connection
		029651	Number of Salto readers
	Upgrade from:	029652	Option TBS finger scanner
029641	MultiAccess for Windows to IQ MultiAccess		
029642	MA Lite to IQ MultiAccess		
029643	IQ SystemControl to IQ MultiAccess		
029645	IQ MultiAccess Update from previous to latest (current) version		

Honeywell