

Omni**Access**Suite
Plug-Ins

Ver. 1.4

Product Description and Plug – Ins

OmniAccessSuite

OmniaccessSuite represents the innovative and modular solution for access control as it is developed with the most recent information technology, and it allows to manage all access control problematics. OmniaccessSuite consists of OmniAccessConsole and OmniGateway components.

OmniAccessConsole makes every necessary function available to configure all locations, users, groups, connections (such as access points) readers, scheduled and unscheduled time blocks, as well as areas, security levels and access modes.

OmniAccessConsole integrates all functions for the management of operators and profiles, authorized functions, password access and system log on. Searching, printing and exporting data are always available to authorized operators so defined within the system.

The OmniGateway component autonomously manages hardware modules (FieldServer) available on the network and dedicated to access control management in real time by programming, analyzing and gathering data. FieldServer

OmniAccessSuite is distributed in association with SQL Server Express.

OmniAccessSuite operates on a singular server, and it manages an unlimited number of access points and users.

OmniAccessSuite Network Solution

OmniAccessSuite Network solution makes all OmniAccessSuite functions available. It also allows to manage all access control problematics on complex geographical networks where multiple operators can administer thousands of users and access points throughout the territory. It's OmniGateway components to distribute the management of networks of heterogeneous access systems on multiple servers, allowing for the workload to be well distributed, such as the quantity of the information technology data, leading to the time reduction for the system to respond.

OmniAccessSuite NS is developed in a Microsoft Windows background. TCP/IP and SQL servers allow security integrated management and the system redundancy in the existing infrastructures LAN and WAN.

OmniAccessSuite NS is distributed in together with SQL Server Express but it can also be connected to any kind of database engine which is compatible with Microsoft SQL Server.

OmniAccessSuite NS can manage an unlimited number of OmniAccessConsole, OmniGateway components, users and access points.

OmniAccessConsole

OmniAccessConsole makes every necessary function available to configure all locations, users, groups, connections (such as access points) readers, scheduled and unscheduled time blocks, as well as areas, security levels and access modes.

OmniAccessConsole integrates all functions for the management of operators and profiles, authorized functions, password access and system log on. Searching, printing and exporting data are always available to authorized operators so defined within the system.

OmniAccessConsole operates through a Windows background with a user-friendly interface by following the Microsoft Windows/office guidelines.

Further OmniAccessConsole licenses can be installed exclusively on NS systems.

OmniGateway

The OmniGateway component manages the hardware modules - FieldServer – autonomously which is on the network and dedicated to the management in real time of the access control by programming, analyzing and collecting data.

OmniGateway allows the distribution of the management of networks of heterogeneous access systems on multiple servers, allowing for the workload to be well distributed, such as the quantity of the information technology data, leading to the time reduction for the system to respond.

Plug-In software

The Plug-Ins allow for the OmniAccessSuite/NS functionalities to be extended. They are completely integrated in the user's interface OmniAccessConsole. In this way the system operator avoids the need to learn how to use different applications. The help-on-line in the plug in is also integrated in the whole suite's plug in.

OmniAgent Plug – In, Group Exceptions

This function allows you to establish for every single user, to belong to a different group from the original group. For example, it is possible for a user associated to an A group to receive the rights from a B group for a specific period of time (from date/hour to date/hour), where at the end of this established period of time the user returns to having the rights of the A group.

More exceptions can be defined by associating the user to different groups at different times.

It is also possible to define the rules that allow the permanent relocation of the user from the original belonging group to a new group at a specific date and time.

Time phases and exceptions which have been predefined by the system can be used as temporary rules.

A specific function allows the monitoring of all rules which have been created and allows the interaction on them.

OmniAgent is represented by a Windows service which is installed on the access control management server.

OmniAgent Plug – In, Access Point Exceptions

This function allows for the temporary modification of the state of every single access point from "Free Access", to "Blocked", "managed" or "disabled", for a specific time lapse. At the end of the established time lapse it is possible to automatically habilitate the default state of the access point or to permanently modify the state.

Multiple temporal rules can be applied to the single access points, which management – habilitation, implementation, cancellation – in entirely assigned to the system.

A specific function allows to monitor all rules created for every access point and allows to act on them.

OmniAgent is brought to you by a windows service which is installed on the management software of access control.

OmniAgent Plug-In, Readers Exceptions

This function allows for temporary or permanent change of security levels assigned to every defined reader in the system. It is possible for a special time block (from date to date) or by taking advantage of time zones and or exceptions defined by the system by modifying the authentication method requested by the reader for the user's passage.

It is for example possible to establish that a singular reader changes security levels from the default "badge" requirement to "badge and PIN" requirement from Monday to Friday, from 10 PM to 7 AM.

This function allows the assignment of one of the available levels of security to the reader: Door opening button functionality, PIN, Badge, Badge and PIN and double badge.

It is possible to create more temporal rules on every single reader. A specific function allows to monitor all rules created for every reader and allows to supervise them.

Omni Agent is brought to you by a Windows service which is installed on a Management software of access control.

OmniAlert Plug-In

This function allows for the enabled operators to receive a notification by e-mail or SMS every time the system receives an alarm from the access control network. The message contains all necessary information to identify the kind of alarm, the area and reasons that caused it. The message is optimized as it is sent by sms or e-mail depending on the specific requirement.

The content of the message can be slightly changed based on it being sent by e-mail or by SMS, thanks to configurable templates.

It is possible to modify the layout of the e-mail or SMS, by referring to configurable templates.

OmniAlert is brought to you by a Windows service which is installed on the access control Management server.

OmniConsole Plug-In Material Management

This function allows for you to manage the assignment of physical objects (such as keys, office material, etc.) or access codes to the users of the system. The operator can create up to 100 different types of personalized material.

The operator possesses special functions created to manage an archive of material to be assigned.

When material is assigned to a user, a delivery report is printed, when material is returned, a return form is also printed.

It is possible to get global printings on more users which show as owners of material.

An additional function allows the visualization of all material assignments and returns which have taken place. The option allows for orders, research, export and printings of the data.

OmniConsole Plug- In Guest Management

This function permits to manage a registry of guests and their rights of access. It is possible to print personalized entry reports and identification badges for every guest. Having a local badge reader available, it is possible to assign and withdraw the badge automatically. The guest management lets you create an archive of the visits accomplished with complete research functionalities, order, export and the possibility to print the archived information.

OmniConsole Plug-in Maps Management

With this function which is available through OmniAccessConsole, you can upload planimetries (in raster format) of supervised areas. On these planimetries it is possible to display the installed access points and the defined areas.

The function lets you visualize the state of the access points and of the areas in real time and allows interaction. (detailed information, command management, parameterization). This plug-in can be a valid alternative to using charts for the access to various components.

It is also possible to configure the alarm management so that when an alarm is received from an access point, the planimetry which contains the access point is opened.

OmniExport Plug-In

This function allows for specific filters to be configured for the extraction of archived events which are memorized in the system (such as transits, alarms, ect) and it allows for them to be automatically exported in different formats (xls, xml, csv, html).

This application can be parameterized in order for Windows Scheduler to be able to define standard schedules for data export. It is possible to personalize the application for the database connection or beholder systems. the providement of this plug in depends on a preliminary analysis of the typology of treated data and of the system to which it is destined. The plug in is then specifically programmed for any necessity.

OmniConsole Plug-In Presence Analysis

The presence analysis plug in makes three different transit analysis systems available.

- Present and absent.
Analysing the transit from specific access points which are predefined as entry and exit access points, it is possible to extract the list of users' which are present or absent in a determined time frame in the structures which are controlled by the access control system. A user who has crossed an access point at least once throughout the day is considered present.
- overall time frames.
By considering the duration and the user, it is possible to analyze the overall presence time. The system will point out the time range for every user between the first and last transit of the day. This function allows to identify abnormalities on the user's time frames on a macroscopic scale.
- traced analysis.
It is possible to investigate the details for every single user's transits for every present access point. Precise times of presence are in this way obtained (the sum of time frames between every entry and exit throughout the day). In this way you can visualize abnormalities in the transit of data, for example two consecutive entries which are not alternated by an exit. This can be notified and can be corrected by the authorized operator.

Functions which guide the operator to the locating and to the correction of abnormalities of data are available, for example the presence of exit transits without any entry transit and or vice versa.

It is also possible to insert manual transits within the general transit management.

These manual transits are distinguishable from the ones performed by the access points and the information of the operator who inserted them is traced. For every analysis system there are printing and export functions available in the main formats (Excel, CSV, SML, PDF...).

OmniConsole Plug-In, Area user supervision

This Plug In integrated in OmniConsole allows to add additional functionalities to the management of the areas. OmniConsole lets you define an unlimited number of areas and informs the operator of the presence of the users in every area.

The supervision plug in lets the operator create rules which limit the number of people that can be present inside every area.

It is possible to define the maximum number of people also in function of their own group of belonging or their own seat.

You can limit in a specific area for example the number of users that belong to a specific group allowing instead for users from another group to enter freely.

When the maximal number of users in an area is reached, the entry readers do not allow for new users to enter. They can enter only when a user in the area exits the access point.

The defined rules can be associated to time frames and to exceptions determined previously by the system. They will therefore be applied only in defined temporal intervals.