

OMEGA ACTIVE

Innovative access control:
hands-free, wireless online, future-proof



OMEGA ACTIVE



**OMEGA ACTIVE is a
highly flexible electronic
access control system**

State-of-the-art access control in buildings demands innovative solutions that can be flexibly adapted to a variety of requirements.

Thanks to the use of advanced radio and transponder technology, OMEGA ACTIVE combines maximum security with maximum design freedom.

Larger access control solutions can be operated online in a network. The access authorizations are conveniently entered at the PC and then transmitted to the various

locking components via wireless Access Points. In return, events at the entrances are fed back to the master computer.

No elaborate wiring or additional construction work is required. For instance, retrofitting an entrance door with OMEGA ACTIVE components is a matter of minutes.

The electronic locking media guarantee hands-free and barrier-free access. You can leave your electronic key in the bag or pocket – it will still be clearly identified.



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**It all starts
with one cylinder.**

Removing the mechanical cylinder and installing an OMEGA ACTIVE cylinder – that is all it takes to start implementing a CES OMEGA ACTIVE access control system. No wiring, no software. The cylinder can be very easily programmed with the corresponding Master cards. And you can also readily use your existing transponder media – such as EM4102 or Hitag – for OMEGA ACTIVE systems without any modification.

Existing locking systems can be upgraded step by step, thus protecting previous investments. Thanks to the OMEGA

ACTIVE system structure, components can be changed from offline to online operation at any time, so you are always able to extend your locking system.

With larger numbers of doors and/or locking components, the networked variant of OMEGA ACTIVE is the solution of choice. It allows managing access authorizations from a central PC which saves valuable time and manpower which would otherwise be needed for programming at the individual entrances.





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Hands-free from the car park to the office.

The variety of components allows an exceptionally flexible adaptation of OMEGA ACTIVE to the most diverse environments and security requirements.

For a large sales company, for example, OMEGA ACTIVE offers a maximum of convenience for the users.

Already at the car park access road, each member of staff is identified by a wide-range reader from a distance of as much as 12 metres, and the barrier is lifted to provide access.

At the connecting door between the car park and the administrative building, a

wall terminal controls a connected CEMO motor cylinder that opens the door for the authorized employee and automatically locks it afterwards.

An electronic fitting installed in a narrow style door in the staircase allows access to the department while an electronic cylinder in the office door ensures that only authorized persons can enter that particular office. And all of this without even taking the locking medium out of the pocket or bag.

Access authorizations as well as rules for personalized temporary access are defined and managed at a central computer.





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OMEGA ACTIVE: Intelligent communication in a network.

The benefits of the electronic access control system OMEGA ACTIVE are especially valuable for rambling company areas, multi-location organizations, and businesses with frequent changes in their organization.

From your PC you can quickly and efficiently close security gaps or grant new access authorizations, e.g. for guests.

For this purpose, the OMEGA ACTIVE software and Access Points are integrated

either in their own network or in a network already existing in the building.

The easy-to-use software allows quick and simple programming of access authorizations which are then transmitted to the entrances via wireless Access Points.

These Access Points also feed data on events and security conditions at the installed wall terminals, cylinders or fittings back to the software.



Electronic cylinder, reader outside, permanently coupled inside



Electronic cylinder, reader on both sides, suitable for connecting doors



Electronic single cylinder, suitable e.g. for cabinet doors



Wall terminal



Mechatronic fitting



Network-capable motor cylinder for automatic locking and unlocking



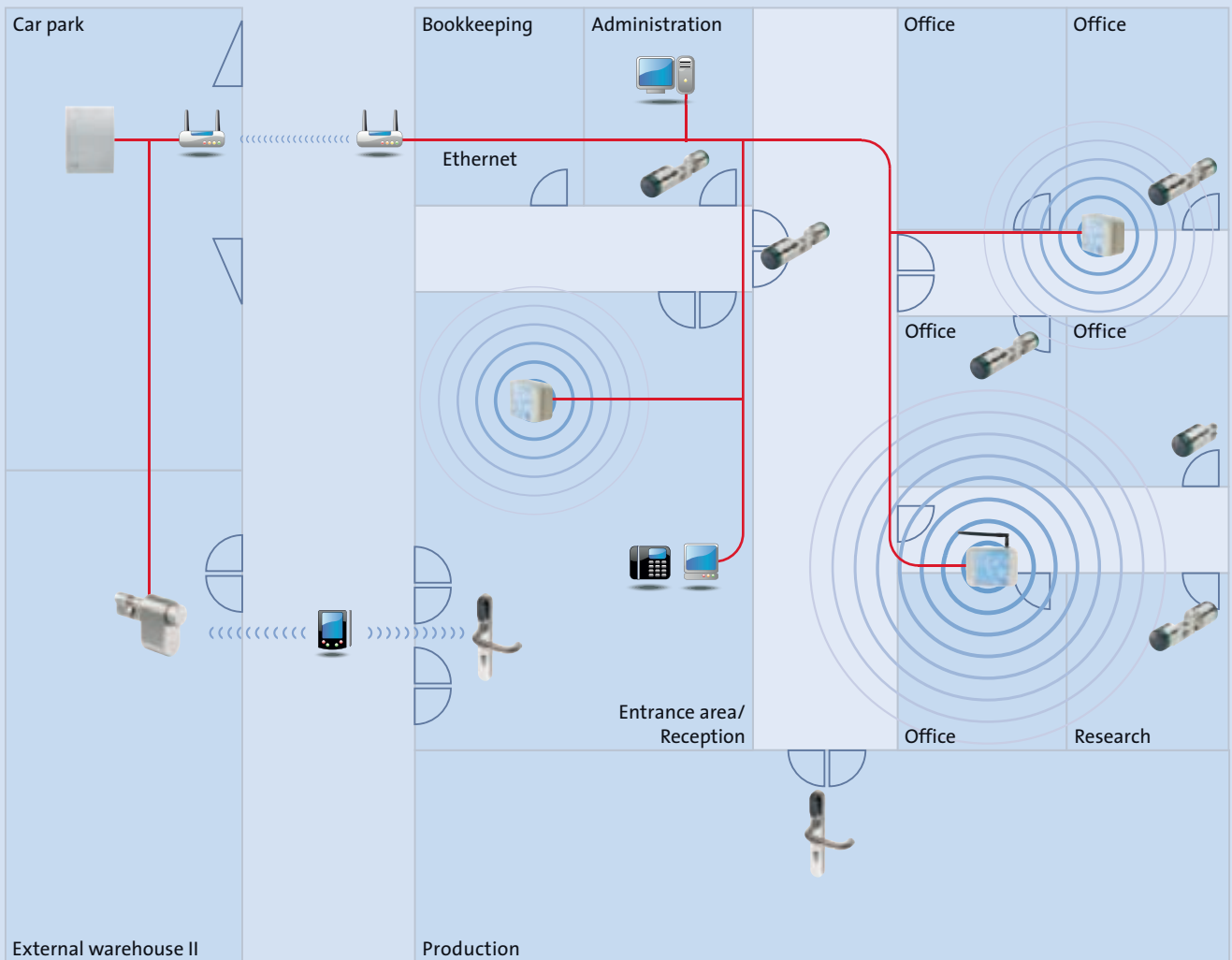
Access Point



Access Point with external antenna for larger ranges



Wide-range reader for larger reading ranges



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Electronic cylinders

The wireless, battery-operated electronic cylinder can be installed and programmed in a lock prepared for profile cylinders in next to no time. No constructional modifications on the door are required.

The electronic cylinders are available in different colours and with stylish knobs. Both active and passive transponder media are detected. The two-colour LED light ring and the beeper signal the cylinder status during programming, maintenance and operation.

The cylinders handle more than 2,000 locking media and record all events at the door that are relevant for the operator.

This provides you with an overview of who entered the room at which time and also tells you which unauthorized medium was refused access.

The beeper also informs you well in advance of a low battery. And should you have ignored all signals and the battery be flat, an emergency power supply for opening the door is available.





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Mechatronic fittings

For state-of-the-art building management, this fitting provides a solution for every door. It is suitable for use with anti-panic locks pursuant to EN 179 and for installation on fire doors.

With its integrated Permanent Open function, the fitting can also be used for public areas.

Thanks to the familiar operation with the door handle, the system function will be

readily understood by members of staff and visitors alike.

The shield is available in various designs with and without hole for profile cylinder. The possibility of integrating a mechanical cylinder allows convenient emergency opening e.g. for the fire brigade.

All product features offered by the electronic cylinder are also available with the fitting.





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Wall terminals

Wall terminals are used for access control at revolving doors, automatic sliding doors, barrier installations, drive access control, roller gates and sliding gates, etc.

Depending on their version, wall terminals are suitable for both indoor or outdoor use.

For areas with increased security requirements, special variants are available for which the reading unit can be spatially separated from the electronic components that need protection.

The ideal reading distance can be determined by you within a range from 30 cm to 150 cm.





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Wide range reader

Wherever it is not possible to come close to a wall terminal, e.g. in double-door systems, laboratory areas, or intensive care units, the wide range reader allows reading distances of as much as 12 metres. Again, variants for indoor or outdoor installation are available.





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Convenient programming and management

The principle of modular design of OMEGA ACTIVE was also consistently applied to the programming options.

With simple Master cards or using the PC software in combination with the CES OMEGA RF-Stick, you can program the locking components offline.

As the complexity of your locking system increases, each individual component or the entire system can be switched from offline to online operation at any time.

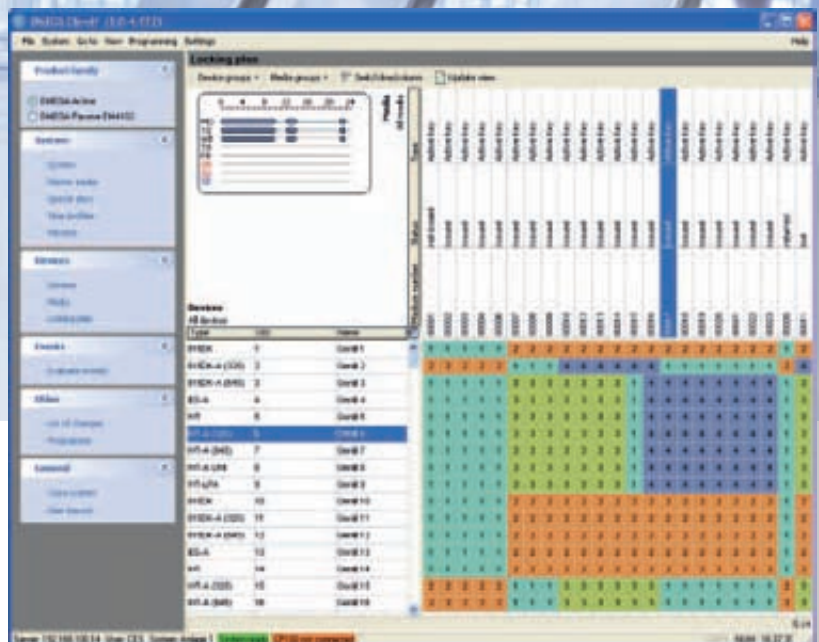
Special features of the software like the Office-Function allow you to set the locking components into Permanent Open

mode at highly frequented entrances. Likewise, you can permanently block entrances so that locking media will no longer be detected and the door will remain locked.

The software always provides you with data about the security conditions at the individual entrances. Also weakening batteries in the locking media or the door components are signalled for your information.

In addition, the client/server software used for OMEGA ACTIVE is fully multi-client enabled.





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