



The new control system generation

MB-Secure – the modular platform
for security solutions



INSTALLER
INFORMATION

The new control system for integrated

Not just different, but really new.

The MB-Secure is a control system for a new generation. With its modular structure, it is a new type of technological platform that not only offers the possibility of cross-system integration of intrusion detection systems, access control, and video technology. It also combines all central components in a single product: hardware, firmware, and services.

The unique advantage: the versatile circuit board.

All MB-Secure control systems are equipped with a uniform circuit board and firmware that already contains the full performance range and all the functions. The installer can activate the required functions with a license key to suit individual requirements. In this way, you only pay for what you really need.

Another advantage of the MB-Secure: it is one of few control systems that you can upgrade at a later point in time without structural changes. Should additional requirements arise, simply activate additional functions via a license key.

A control system full of possibilities – also for your business.

As an installer, you can program a variety of macro-controls yourself with the MB-Secure, e.g. for automated processes and functions. In other words, the MB-Secure allows you to develop customized solutions and your own services. This gives you the possibility of providing special services to your customers – an attractive business model to gain an edge over the competition.



**Intrusion detection
systems**



**Access control
systems**



**Security management
systems**



**Video
technology**

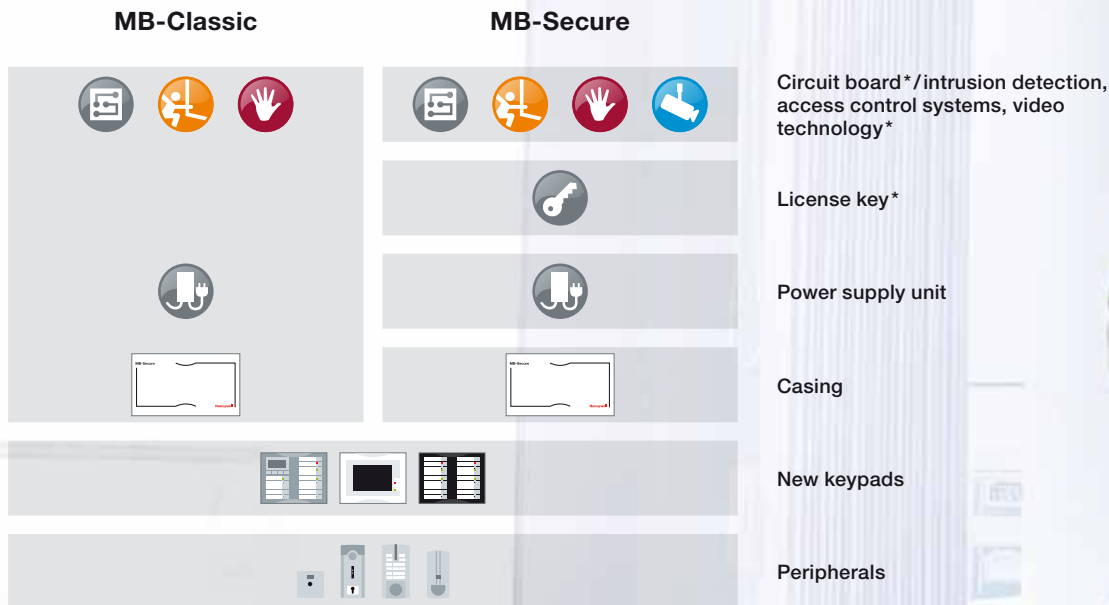


**Fire alarm
technology**

security solutions



The new, modular MB-Secure product range consisting of casing, circuit board, extension modules, keypads, and power supply units enables a cost-effective solution for every project condition.



The modular platform of the MB-Secure provides the basis for a completely new type of security concept.

The license key opens up all the pos

One circuit board – one firmware – programmed for versatile use.

The full performance range of the MB-Secure is already included on the main circuit board. You decide which performance features you need for your application. When installing the license key with the IQ PanelControl programming software, you can activate the desired performance features. The license key is generated on the web portal after entering the circuit board's serial number.

Only pay for what is actually activated.

Using the license key, you can define performance features, e.g. for areas, detector groups, spatial/time zones, macros, users and data processing media. Furthermore, the license key activates the desired performance features, such as access control, management system interface, IP alarm transmission, and video integration. One thing applies for all basic licenses and extensions: you only pay for what is actually activated.

Extremely flexible for future requirements.

The MB-Secure can be adapted at any time should your customer's security requirements change. As the installer, you can undertake future expansions whenever you like via the web portal.

A solution with potential and savings potential.

Another advantage of the uniform circuit board: as it is equipped for all requirements and applications, it can be stored for future use. This means you have it immediately on hand when you need it. In other words, the MB-Secure not only offers you a highly versatile solution to meet every requirement. In the long term, it also represents a decidedly cost-effective decision. Your customers will appreciate its cost benefits and the high level of investment security it provides.



The web portal for generating the license key.

sibilities

MB-Secure: the highlights

- Modular platform for cross-system security solutions in the areas of intrusion detection technology, access control and video technology
- Combines hardware, software, and services in one solution
- Flexibly scalable, wide performance range
- Ease of use due to flexible keypads, also in combination with macros
- Performance features defined via a license key
- Modern licensing concept – simple extension of existing installations without replacement of the control system
- Diverse and comprehensive peripherals – a solution for every application
- Newly designed keypad, all components can be freely combined in three basic colors, individually programmable user interface
- System designed for today's needs that can be expanded later
- Simple license key generation via web portal

Three different ordering options make your purchase of the MB-Secure easy and convenient. Naturally, we also support you with comprehensive informational material and numerous training measures.

In addition to presenting a range of technical possibilities, our events show you step-by-step the simple licensing process for the MB-Secure via our web portal.



Three ordering options

Each circuit board contains the entire performance range of the MB-Secure. The only difference between the circuit boards is their serial number. A license key activates the configuration of the performance features for a specific serial number. You can select from three options:

1 Preconfigured bundles

These bundles consist of the MB-Secure 1000 or MB-Secure 2000 control system (circuit board and license key), additional casing, the power supply unit, and keypad. Some systems include a siren module and dialer. With this option, the license key is already installed on the circuit board.



2 Preconfigured control system

The available control systems MB-Secure 1000 to MB-Secure 6000 consist of a circuit board and basic license. With this option, the license key is already installed on the circuit board.



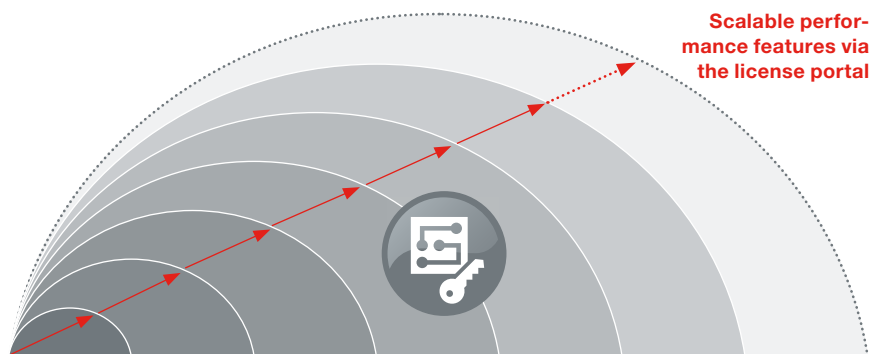
3 Self-configuration of the control system

With this option, the circuit board is delivered without a license key. The license (basic license or, if required, extension license) is generated by the installer via the web portal and then installed on the circuit board using the IQ PanelControl programming software.

The generated licensing file will be provided to you as a download and/or sent by e-mail. You can activate subsequent functional extensions through our easy-to-use licensing portal, which has been completely redeveloped. To order the extension of an existing configuration, you merely require the serial number of the circuit board, which can be easily read out via IQ ControlPanel.



Note: The preconfigured control systems can also be extended at a later date through the licensing portal.



MB-Secure	1000	2000	3000	4000	5000	6000	maximum
Detector groups (zones)	8	16	48	128	512	2048	4096
Areas	1	2	4	16	64	256	512
Spatial/time zones	4	8	16	32	64	256	512
Users	16	32	64	128	512	1024	1024
Macros	10	20	30	50	250	1000	2000
Doors	1	2	4	16	64	256	512



More performance and more options through extension licenses

The various models of the MB-Secure control system series are generated by combining the basic circuit board with the basic license. In this way, a basic license can be used to individually define the performance range for the basic model MB-Secure 1000 all the way up to the MB-Secure 6000.

Beyond the basic license, there are numerous extension licenses for bundles, as well as pre-configured and self-configured control systems. They open up even more options, because they allow solutions that are customized to meet your customer's requirements. The MB-Secure extension licenses are available for many different detector groups, areas, macros, users, spatial/time zones, and doors. They are scaled by quantities, and offer a very

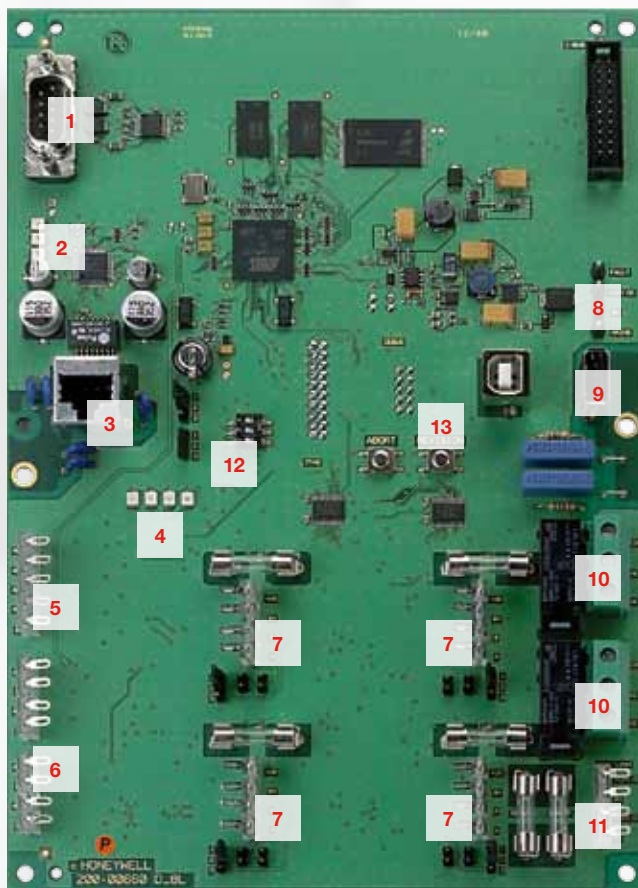
attractive graduated discount rate. It is important to note that the extension licenses only correspond to one circuit board – i.e. larger expansion options cannot be split between different control systems. Instead, we recommend choosing smaller units.

Extension licenses

- 8, 64 or 512 detector groups
- 2, 16 or 64 areas
- 10, 50 or 250 macros
- 16, 64 or 512 users
- 4, 16 or 64 spatial/time zones
- 2, 16 or 64 doors



The new circuit board has what it takes



The circuit board is the technological platform, scalable for all control systems, from the MB-Secure 1000 to the MB-Secure 6000. It contains a full range of performance features that you can activate individually as needed via a license key. Another advantage of the new circuit board: its interconnectedness means the control system's high-performance technology can be shared by various security solutions.

- 1** Serial interface for the transmission device
- 2** Status LED Ethernet
- 3** Ethernet for parameterization
- 4** LEDs
- 5** 4x semiconductor outputs active 12 V
- 6** 4x analog inputs
- 7** 4x BUS-2 connections, each with 64 addresses
- 8** Connection for the power supply unit
- 9** USB host for firmware update
- 10** 2x relays 250 V / 8 A
- 11** 2x external consumers
- 12** Reset button
- 13** Revision button



The housing and the power



A complete range of housings and power supply units are available for MB-Secure control systems – suitable not only for the needs of the respective application, but also the specific requirements. The housings offer enough room for the MB-Secure circuit board, the power supply, and up to eight different extension modules, in line with the type of housing. For mounting, the bases of the housings are equipped with the suitable fixtures.

All required batteries can be safely contained in the housing. For the power supply, Honeywell offers several fully electronic, voltage-stabilizing, and current-limiting power supply/charger units for standby parallel operation, featuring battery rundown protection, battery monitoring, and battery defect detection – designed for a maximum of 52 hours of battery capacity. The power supply/charger units have an integrated BUS 2 interface, so they can be used as a remote power supply. Via this BUS 2 interface, all status messages to the MB-Secure are transmitted in a wire-saving manner. In addition, three LEDs are available for troubleshooting.



The ZG 20 housing.

r supply are also prepared for anything

Technical specifications Power supply/charger unit	12 V DC/26 Ah (013950)	12 V DC/52 Ah (013960)	12 V DC/18 Ah (013970)	12 V DC/8 Ah (013975)
Rated operating voltage	100 V to 240 V AC	100 V to 240 V AC	100 V to 240 V AC	100 V to 240 V AC
Operating voltage range	90 V to 265 V AC	90 V to 265 V AC	90 V to 264 V AC	90 V to 264 V AC
Frequency	50 Hz to 60 Hz	50 Hz to 60 Hz	50 Hz to 60 Hz	50 Hz to 60 Hz
Typical power consumption	45 W/92 VA typical	90 W/190 VA typical	45 W/92 VA typical	45 W/92 VA typical
Maximum continuous current	1,5 A	3 A	1,5 A	1,5 A
Short-term continuous current drain (5 min)	2.0 A max. (with charged batteries)	3.5 A max.(with charged batteries)		
Maximum charging current	1,3 A	2,6 A	0,5 A	0,5 A
VdS-authorized battery capacity	26 Ah max.	52 Ah max.		
Maximum battery capacity			18 Ah	8 Ah
Number of connectable batteries	1	2 max.	1	1
Possible battery combinations	e.g. 1x10/1x16/ 1x24/1x26 Ah	e.g. 2x10/2x16 / 2x24/2x26/1x38 Ah		
VdS-authorized current consumption	For 60 hours at 26 Ah battery capacity approx. 430 mA	For 60 hours at 52 Ah battery capacity approx. 860 mA		
Operating temperature range	-5° C to +45° C	-5° C to +45° C	-10° C to +40° C	-10° C to +40° C
Storage temperature range	-25 °C to +70 °C	-25 °C bis +70 °C	-20 °C bis +80 °C	-20 °C bis +70 °C
Environmental class in accordance with EN			II	II
Environmental class in accordance with VdS	II	II	I	
Dimensions (w x h x d)	92,5 x 215 x 51 mm	92,5 x 215 x 51 mm	84 x 152 x 51 mm	84 x 134 x 42 mm

As versatile and flexible as MB-Secu

Easy to use

Just like the MB-Secure circuit board, its new keypads are extremely versatile and flexible. With an intuitive interface, all the functions can be easily and conveniently used following authorization from the prox reader. Several control units can also be combined for larger systems.

New design – eminently combinable

The new LED, LED/LCD, and touch keypads of the MB-Secure are available for both surface and flush mounting. In addition to the complete set in white, all components are also available separately in the basic colors white, gray, and black. The front,

base, and frame can be combined at will in the same or in different colors. This means they always can be beautifully integrated into the room concept.

Simple and user-personalized

The key functions can be freely programmed in order to personalize the user interface. Customized texts are displayed on an LCD. The clear front panel and night lighting design ensure easy and convenient operation under difficult lighting conditions. Furthermore, the controls are language-independent, making them even more versatile.

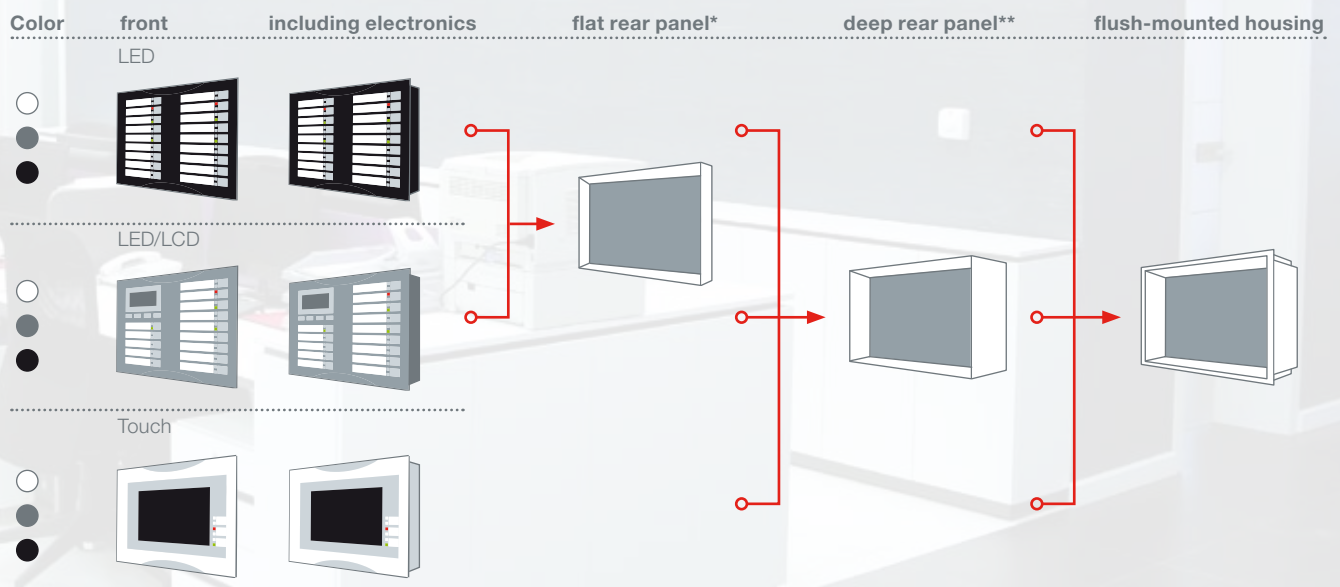


re: the keypad



The uniform user interface makes it easier for installers to program, allowing the customized assignment of key functions. For the user, the intuitive design and clear arrangement of functions also bring tangible benefits.

Configuration possibilities



* Deep rear panel necessary for surface-mounted combination touch with LED

** Not applicable for the flush-mounted installation box



Viewguard DUAL
motion detectors



IDENT KEY 3



Siren module



Dome cameras



RF 4I/O module



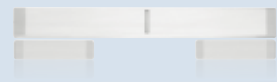
RF remote control



RF smoke detector



Viewguard PIR RF



RF magnetic contact

Outstanding technology – also for peripherals

The new design: the housing

Despite its huge level of performance, the MB-Secure fits into every housing. You can select the housing size depending on the intended peripherals: with room for the circuit board and a power supply unit, or with additional space for two or eight extension modules.

The new power supply units: impressive in every class

The MB-Secure's power supply units are offered in three performance classes: 18 Ah (no BUS), 26 Ah (BUS) and 52 Ah (BUS). All provide future-proof battery compatibility and combinatorial circuit technology with the highest degree of efficiency. Due to the BUS connection and sabotage monitoring, they can also be mounted in a staggered design.

Furthermore, they are backward compatible, which also makes them ideal for use in conjunction with the latest control system series.

The new siren module: sets standards

A new siren module, compatible with the Novar external sounder/flasher and OEM products, was specially developed for the MB-Secure. The BUS 2 (multibus) module can also be mounted in a staggered design, and activate external acoustic as well as optical signaling devices. The module is BUS-compatible, with cover contact and detector group inputs. In this way, the signaling devices can also be distributed throughout a building.

System architecture

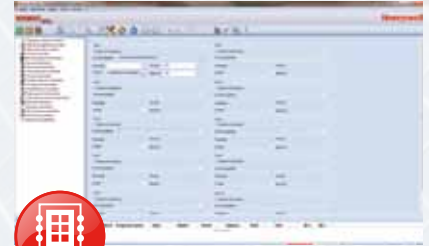
IQ MultiAccess access management software



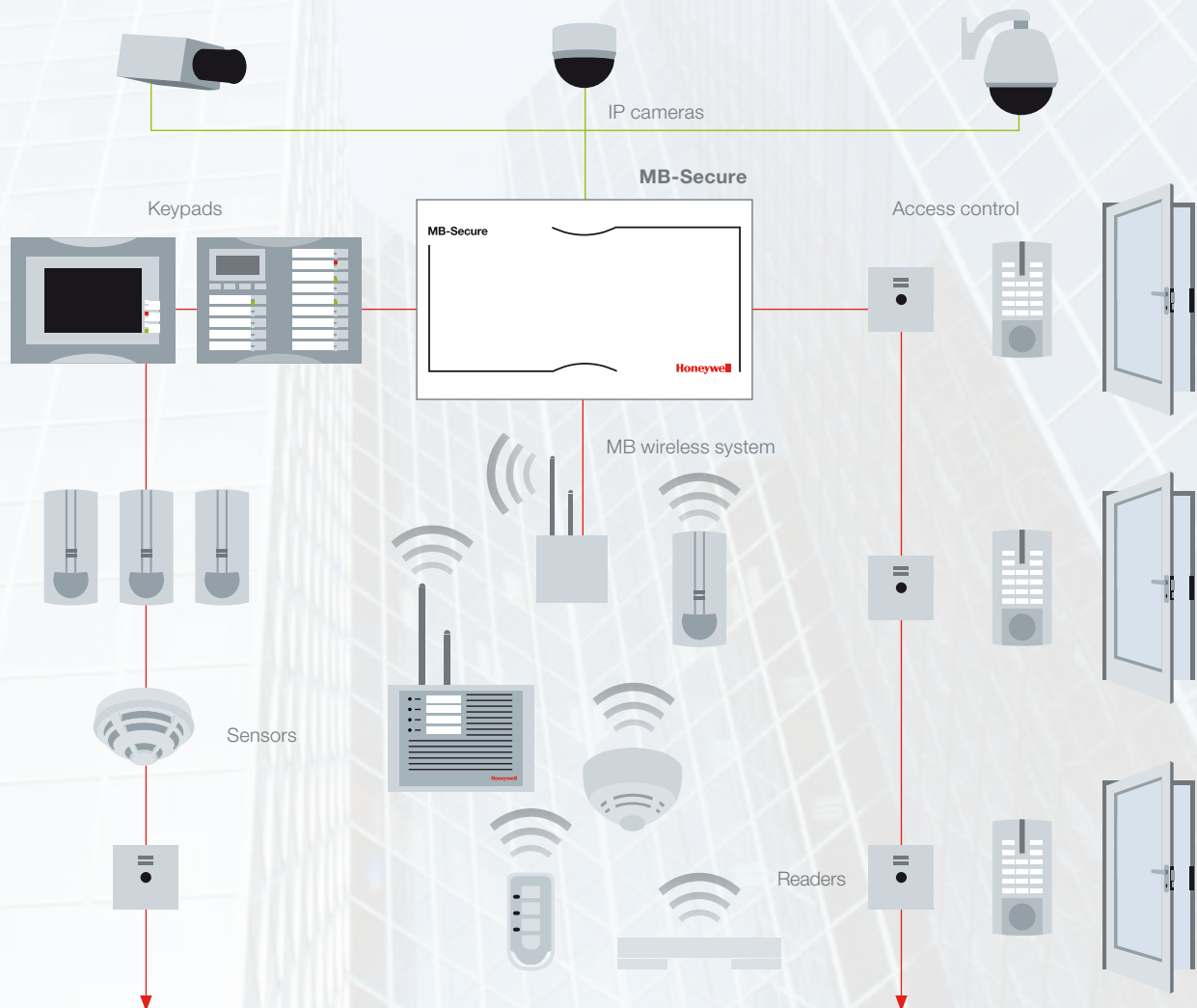
**Video integration
Honeywell IP cameras**




**WINMAG plus
integration management software**



Ethernet





You can build on the MB-Secure

With the MB-Secure, Honeywell Security offers a new generation of control systems that enable cross-system applications for both specific and changing requirements. A variety of custom-fit, intelligent security solutions can thus be implemented for a wide range of industries: the industrial sector, retail, banking and finance, the public sector, sports

facilities, and even museums. At this point, we can only give you a small selection of the application possibilities. But these should already indicate the enormous versatility of the MB-Secure. There are virtually no limits placed on your potential applications.



Financial institutions

The MB-Secure can be coupled with Viewguard DUAL motion detectors for financial institutions. Cash safes, strongrooms, and vaults can be secured, e.g. with the seismic detector SC100. The DS 7700 transmission device ensures the emergency service control center is promptly alerted. And it is also possible to connect IDENT-KEY 3 control units to the control system to ensure access control. What's more, IQ SystemControl software allows the central monitoring and control of authorizations, directly on the computer.



Shopping malls

To safeguard large buildings and low-visibility areas, inconspicuous, vandal-proof dome cameras can be used both indoors and outdoors, in a style matching the shopping center. For example, the ACUIX™ PTZ with day/night technology and wide dynamic. To record moving images, Honeywell offers digital 16-channel fusion video recorders, for example. These can be connected via an Ethernet network using fiber-optic cables



Office and functional buildings

Access control, intrusion detection technology, and video surveillance can be integrated with MB-Secure into a single network-compatible, expandable system. IP cameras are a cost-effective solution for large complexes, especially if additional cameras are to be added later. PTZ cameras are used to monitor outdoor areas, while indoor cameras are used for common and critical areas



Public buildings

With WINMAG plus and several WINMAG clients, the relevant functions of several properties can be controlled and monitored: optical monitoring with IP and analog cameras, along with access control management. Additionally, passive infrared motion detector and secure DUAL motion detectors, which are immune to false alarms, can be integrated to protect particularly security-relevant areas. Smoke detectors can also be connected to the EMA.



Sports arenas

Using the powerful WINMAG plus management system with the 3-D option brings new possibilities to the graphic representation of hazardous situations. Even in confusing building complexes such as sports arenas, one obtains much better oversight and insight. What's more, intrusion detection technology, video surveillance, and access control can all be easily integrated to build an extremely versatile risk management system – all based on the MB-Secure.

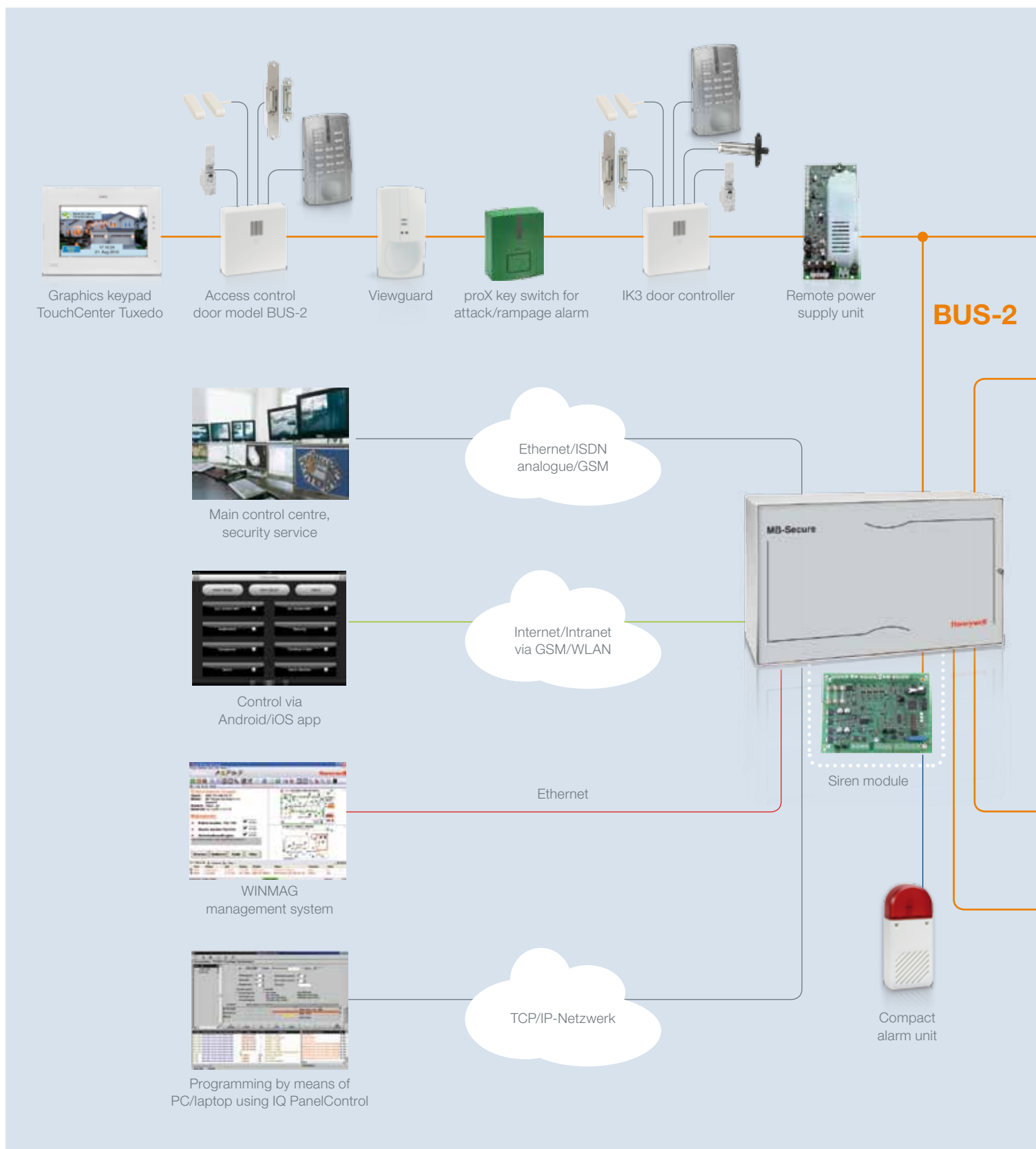


Museums

When exhibition rooms, archives, and offices need to be protected, the MB-Secure offers a wireless networking option. Equipped with IDENT-KEY 3 to arm and disarm the system, any number of armed areas can be safeguarded. In addition to providing burglary protection, the system handles numerous other building control functions. Thanks to intricate programming options, a combination with e.g. lighting and video control is also possible without any problems whatsoever.

BUS-2 modules and wireless compo

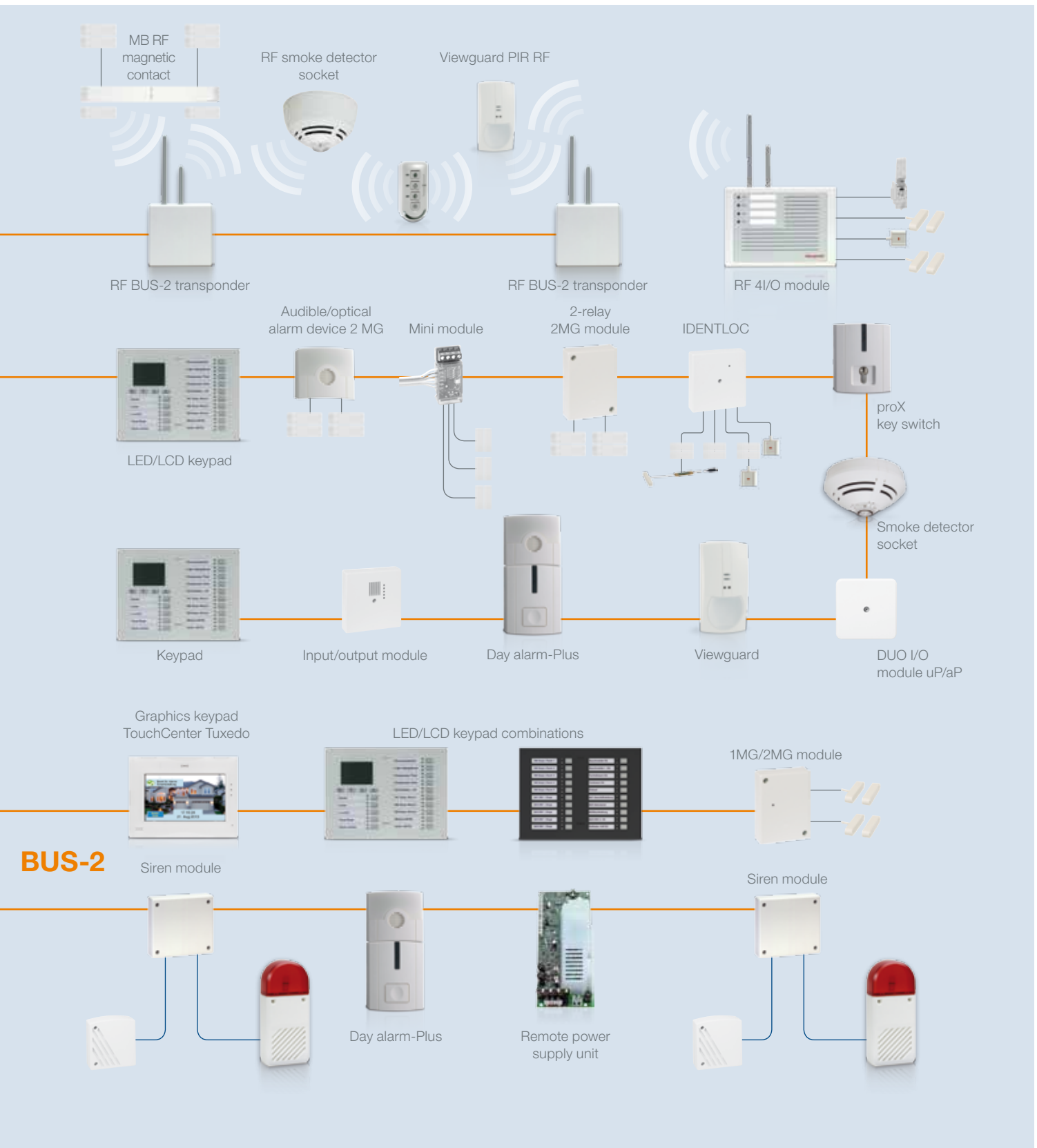
MB-Secure is widely compatible with the existing BUS-2 module range, ensuring cost-effective installation of a multitude of different security solutions. Continuous development of the product range while retaining compatibility also protects investments already made.



nents enhance application potentials

In addition, our portfolio also includes radio-based components for MB-Secure.

The wireless installation of these components provides for reliable security of premises without spoiling architectural aesthetics.



Honeywell Security:
This much is certain!

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