



→ INTRUSION ALARM
MP500
MULTIFUNCTION INTEGRATED SYSTEM



Available on



NEW RADIO FUNCTIONS



MP500 SYSTEM

The Elkron quality in a reliable and versatile intrusion alarm system.

Elkron MP500 is the ideal solution for intrusion alarm systems that meet all needs. It is easily scalable to meet home, business or industrial needs; it can be managed through mobile devices with Internet connection (smartphones, tablets), it can be integrated with video surveillance cameras and building automation systems with standard KONNEX®. Elkron MP500 system allows obtaining large-sized system performance also at your home, company and shop.

A comprehensive range of control units

MP500/4N: control unit with 4 inputs expandable to 32 that can be paired to 4 independent sectors.

MP500/8: control unit with 8 inputs expandable to 64 that can be paired to 8 independent sectors.

MP500/16: control unit with 8 inputs expandable to 128 inputs that can be paired to 16 independent sectors.

Application areas

- Residential
- Office
- Industrial

An always on-line system

Each control unit of the MP500 system can manage two telephone transmitters, PSTN and GSM/GPRS, supporting each other. This feature guarantees that the alarm communication can be transmitted to the police or surveillance institute. It is also possible for the user to interact with the system from remote through phone key tones or SMS commands. All control units can house a WEB board for the connection to the central router.

A system suitable for all needs

The modular Elkron system allows using the same peripheral devices (readers, keyboards) on all the control units of the range. The system can be expanded, according to your personal needs, by means of wired or radio additions.

Quality and certified performance

The control unit range has been IMQ certified according to the European standard EN50131, thus guaranteeing its reliability.



Infinite possibilities thanks to the integration with other systems

MP500 control units allow the user to manage video functions through IP Cloud cameras. They are able to manage technological alarms, such as flood detection, medical help, or fire alarm. They are also compatible with building automation systems according to KNX® standard. A system increasingly open to any type of customisation.

Expand your safety

The **MP500 kits** are the easy, quick and convenient solution for the realisation of alarm systems. Kits consist of a **control unit**, a **keyboard** and a **speech synthesis module**. Each kit can be expanded with other devices: add accessories to complete your system and create systems suitable to your installation needs.



Increased flexibility, performance, and more expandable

Elkron MP500 system stands out for the introduction of new important features that really broaden the system capacities and the possibility to use it for the realisation of integrated control systems. These new features include: the possibility to remotely manage the system via web, from the KNX® interface module, from the additional power unit with bus signal repeater and expansion board, and from the new soft touch keyboards.



Wired/wireless add-on

The ER600 interface allows connecting wireless sounders and detectors to the intrusion alarm system. In this way you can expand the system without using wiring connections.



Local and/or remote programming

The installer can configure the connection mode of the control unit to the Internet network by means of the Hi-Connect software.



Configuration

Updates / transport configuration and programming from PC / control unit.



Multiple communication protocol

The control unit can manage up to three alarm communication protocols (PSTN / GPRS / LAN).



Possibility to integrate HD IP/WiFi cameras

Thanks to the optional web server it is possible to manage up to 8 integrated IP/WiFi cameras on the intrusion alarm system.



Messaggi allarme

Pre-recorded alarm voice messages and/or SMS with identification of the single input. Notifications on user APP.

Functionality and design style in a single keyboard



KP500DP/N control panel

Tempered glass surface, OLED display and "Soft Touch" capacitive technology. Integrated proximity reader.

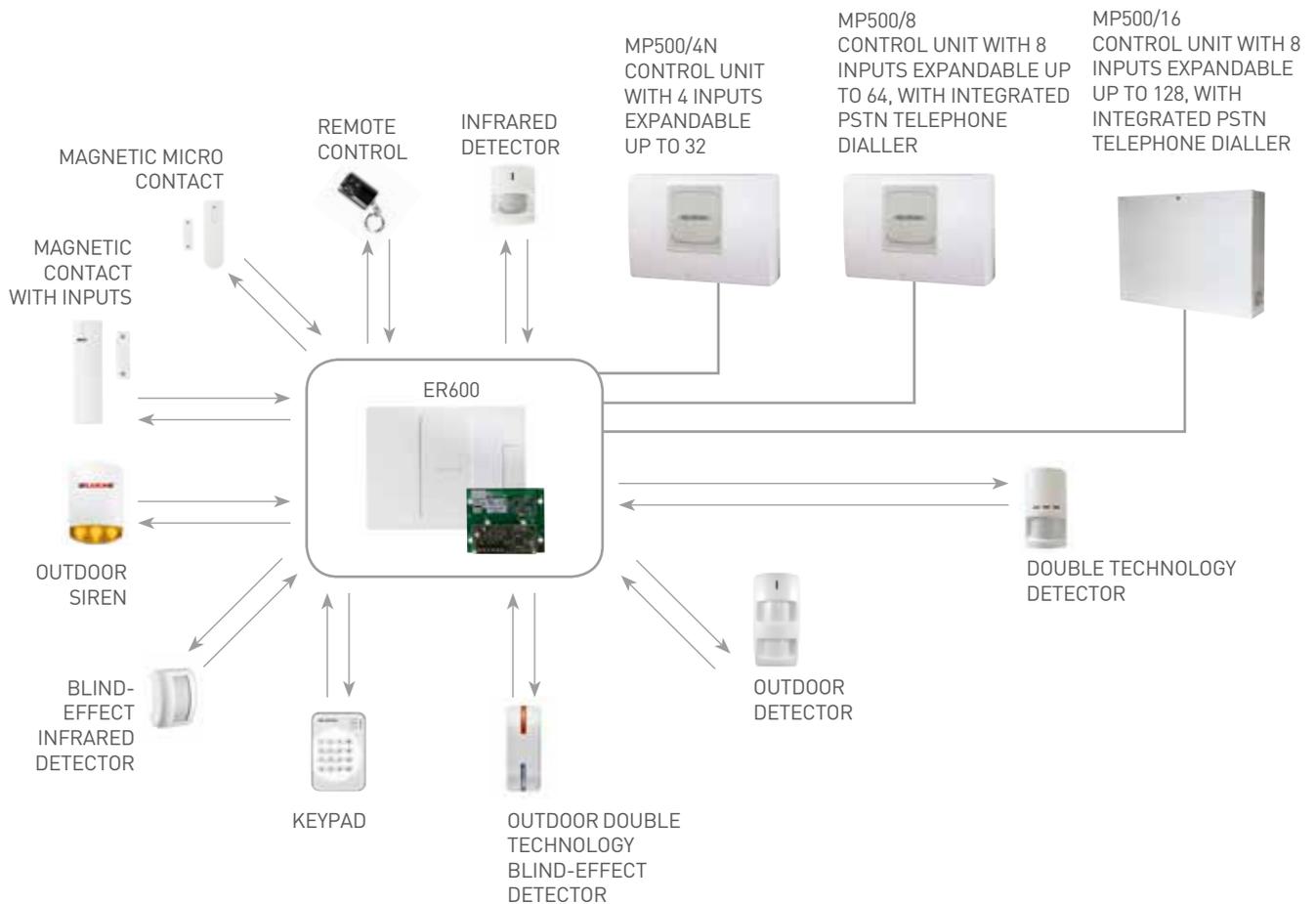
A linear, clean and modern design that perfectly and discretely adapts to any interior design, highlighting what until now was only an element to hide: the keyboard of the intrusion alarm system.

NEW ER600 EXPANSION

The new ER600 radio add-on allows a control unit of the MP500 system to become hybrid (wired/radio).
Each ER600 expansion can manage up to:

- 16 detectors
- 2 outdoor sirens
- 8 remote controls
- 8 wireless keypad.

The ER600 add-on uses a two-way communication protocol in ultrafast FSK narrowband, and allows reaching a **range of 2 km in free way**; moreover, **it increases the average operating time of peripheral devices to 5 years***.



* Consumption calculated for a system consisting of 4 micro contacts with auxiliary inputs, 2 indoor sensors and 1 outdoor siren, under normal conditions of use.

TOTAL CONTROL FROM YOUR SMARTPHONE AND TABLET

The MP500 system allows the system to be quickly and easily monitored via the web

A special web interface installed inside the control unit and registered to the My Elkron Home portal allows user interaction with his/her system from smartphone or tablet.



www.myelkronhome.com

Easy installation

The IT500WEB interface can be installed inside the control units MP500/4N, MP500/8 and MP500/16, and allows connecting to the modem/router of the house. Using the HI-Connect software, the installer can configure the IT500WEB board used for local and remote connection to the control unit for system remote management.

Remotely manage all MP500 system functions via app

My Elkron Home is the app that allows you to remotely control the MP500 intrusion alarm systems from tablet and smartphone. The app can work with the three control units of the Elkron MP500 system equipped with web server and allows monitoring several systems through a safe connection.



Intrusion alarm

It allows enabling or disabling the system, completely or partially; it also allows user activation and the possibility to disable the sensors. In case of alarm a notification will be sent to you.



Home automation

Shutters, lighting, irrigation, openings, and any system that can be enabled by a contact, can be connected to the MP500 control unit and managed through the app from smartphone and tablet.



Video surveillance

The web server of the Elkron MP500 control units manages up to 8 surveillance cameras. The images can be viewed live through the My Elkron Home app. Click on the notification to directly access the alarm images saved on the IT500WEB board.



Available on





AVAILABLE FUNCTIONS



Intrusion detection

- System status view
- Fault view
- Activation / Deactivation / System Splitting
- Event log view (filter by event and period)
- Input Disabling / Enabling
- Date - Time Setting
- Timer Activation / Deactivation
- Users and technician Activation / Deactivation
- Keys Activation / Deactivation
- Remote access Activation / Deactivation
- Changing telephone numbers and SMS / event pairing
- System check



Home automation

The control system interface via Internet allows the switching of the remotely switchable outputs of the control unit.

In case of alarm, this integration allows to:

- Control actuators and door locks
- Turn on indoor and outdoor lights
- Create pairings



Video surveillance

The MP500 system can be used to remotely set the video surveillance functions by connecting the system to the intrusion alarm system.

In this way, it is possible to obtain:

- View of max. 8 cameras (4+4) and 1 fps
- E-mail sending with picture attachments
- View of the event log of the picture frames linked to the intrusion alarm

CONTROL UNIT RANGE



MP500/4N

Home - Office

Control unit: Elkron MP500/4N with 4 inputs expandable to 32, 2 standard outputs expandable to 11, control panel
Outputs: 1 external sounder
Inputs: 3 magnetic contacts for entry door and windows, 1 volumetric detector



MP500/8

Shop - Warehouse

Control unit: Elkron MP500/8 with 8 outputs expandable to 64, 6 outputs expandable to 27, control panel
Outputs: 1 internal sounder, 1 external sounder, 1 Elkron SN80 fogging system
Inputs: 2 magnetic contacts, 2 glass break detectors, 2 rolling shutter detectors, 2 volumetric detectors



MP500/16

Multifunction structure

Control unit: Elkron MP500/16 with 8 outputs expandable to 128, 6 outputs expandable to 54, control panel managing 3 independent areas
Add-ons: AS500/RPT bus repeater with integrated add-on with 8 inputs and 3 outputs, interface KNX® IT500/KNX, for connection to the building automation system
Outputs: 3 external sounders, 3 internal sounders
Inputs: 20 magnetic contacts, 48 volumetric detectors, 20 infrared barriers, 12 microwave barriers for outdoor



FEATURES

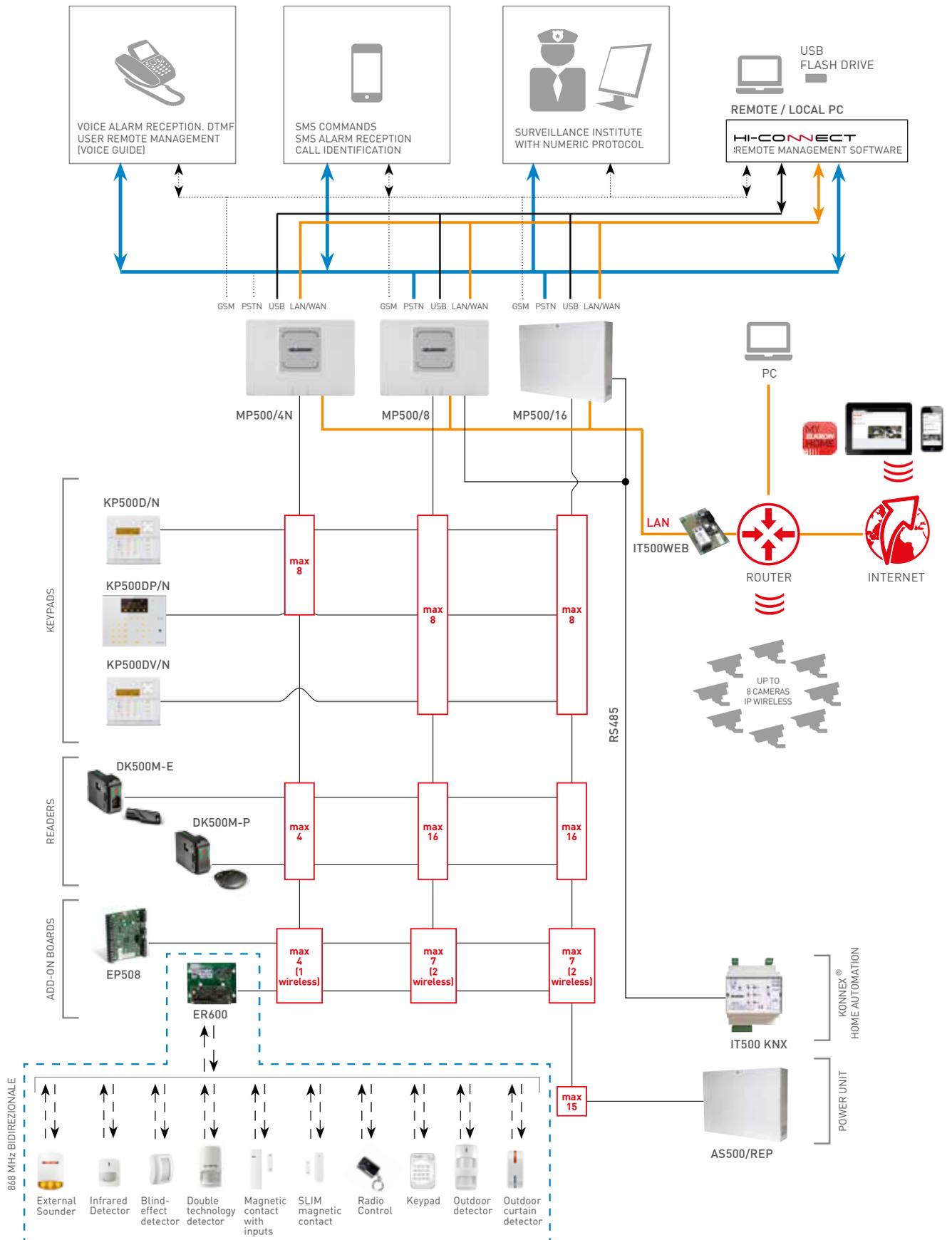
MP500/4N

MP500/8

MP500/16

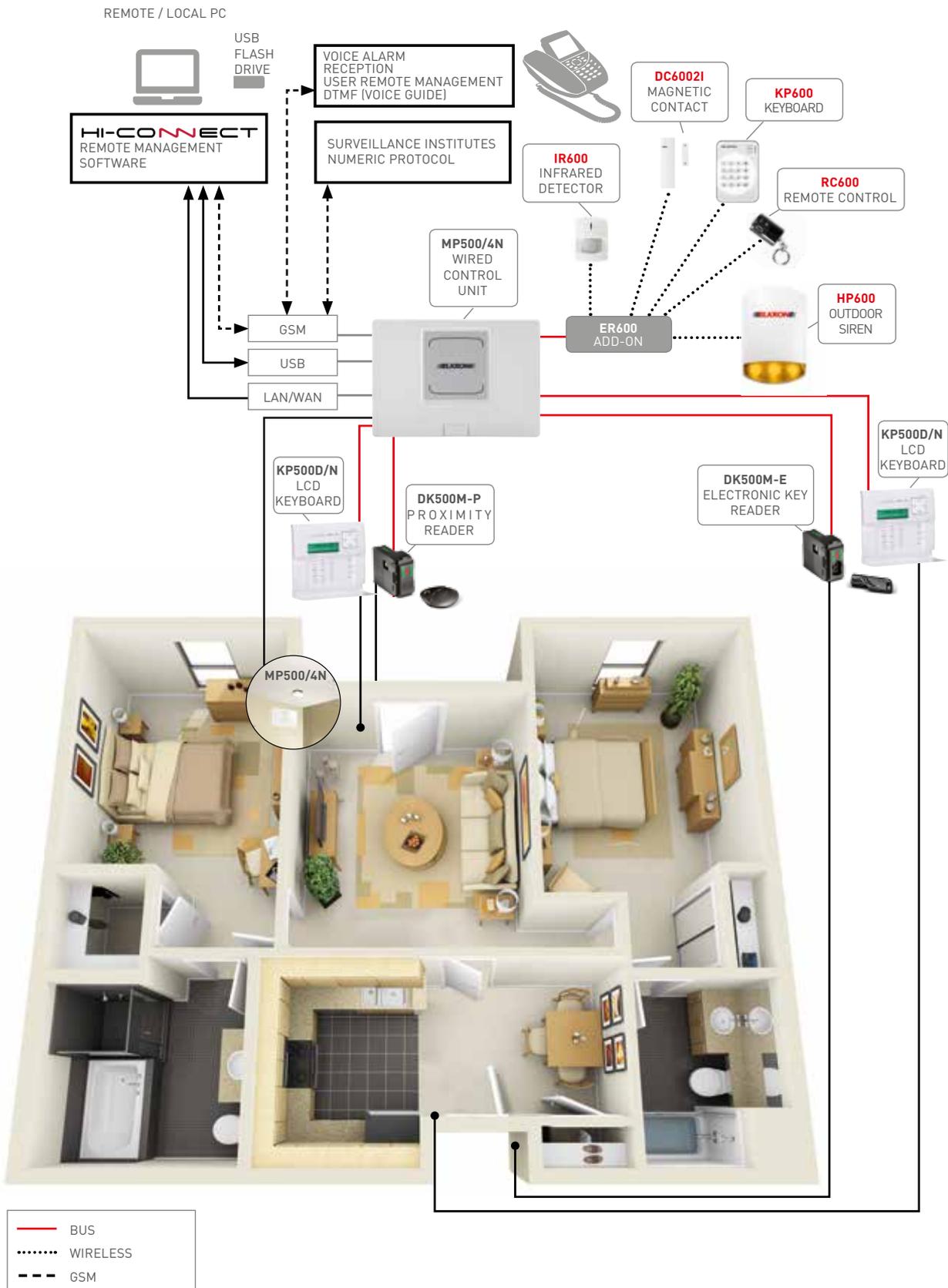
	MP500/4N	MP500/8	MP500/16
Standard / expandable inputs	4/32	8/64	8/128
Standard / expandable outputs	2/11	6/27	6/54
PSTN transmitter	Option (ILT500)	YES	YES
Multi-protocol digital transmission	YES	YES	YES
Voice message transmission	Option (SV500)	Option (SV500)	Option (SV500)
Timer	YES	YES	YES
Software management	YES	YES	YES
IP management	Option	Option	Option
IP VIDEO management	Option	Option	Option
GSM / GPRS transmission	Option (IMG500/N)	Option (IMG500/N)	Option (IMG500/N)
LCD keyboard	YES	YES	YES
Touch keyboard	YES	YES	YES
Wireless add-on	YES	YES	YES
System splitting	4 sectors	8 sectors	16 sectors
Splitting the system in areas	1	4	4
KONNEX® Building automation interface	NO	Option	Option
WEB server interface	Option (IT500WEB)	Option (IT500WEB)	Option (IT500WEB)
Management of the event log	1000	1000	1000
Certification	EN50131 class 2	EN50131 class 3	EN50131 class 3

MP500 SYSTEMS



MP500/4N: FROM 4 TO 32 INPUTS

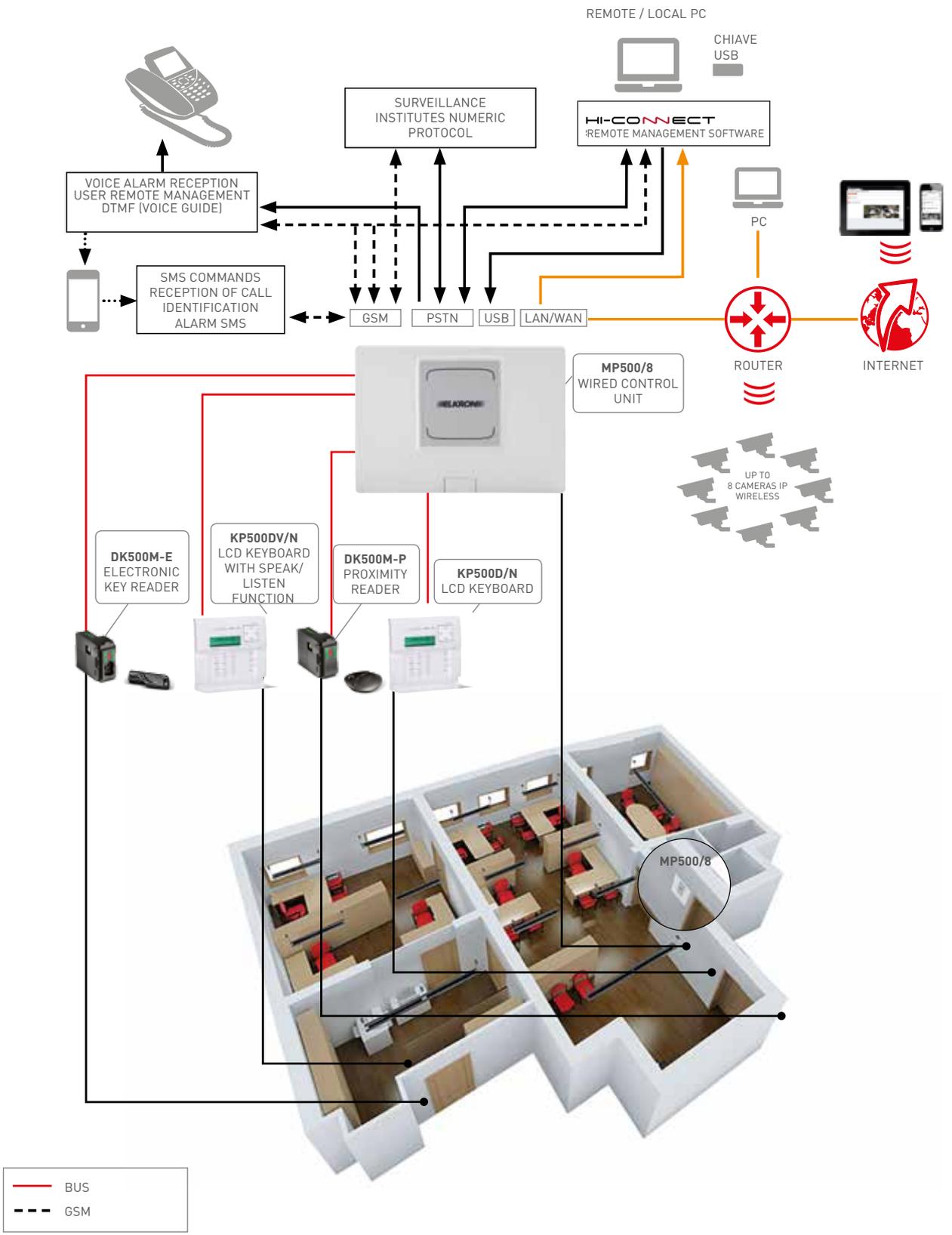
Flexible and customisable



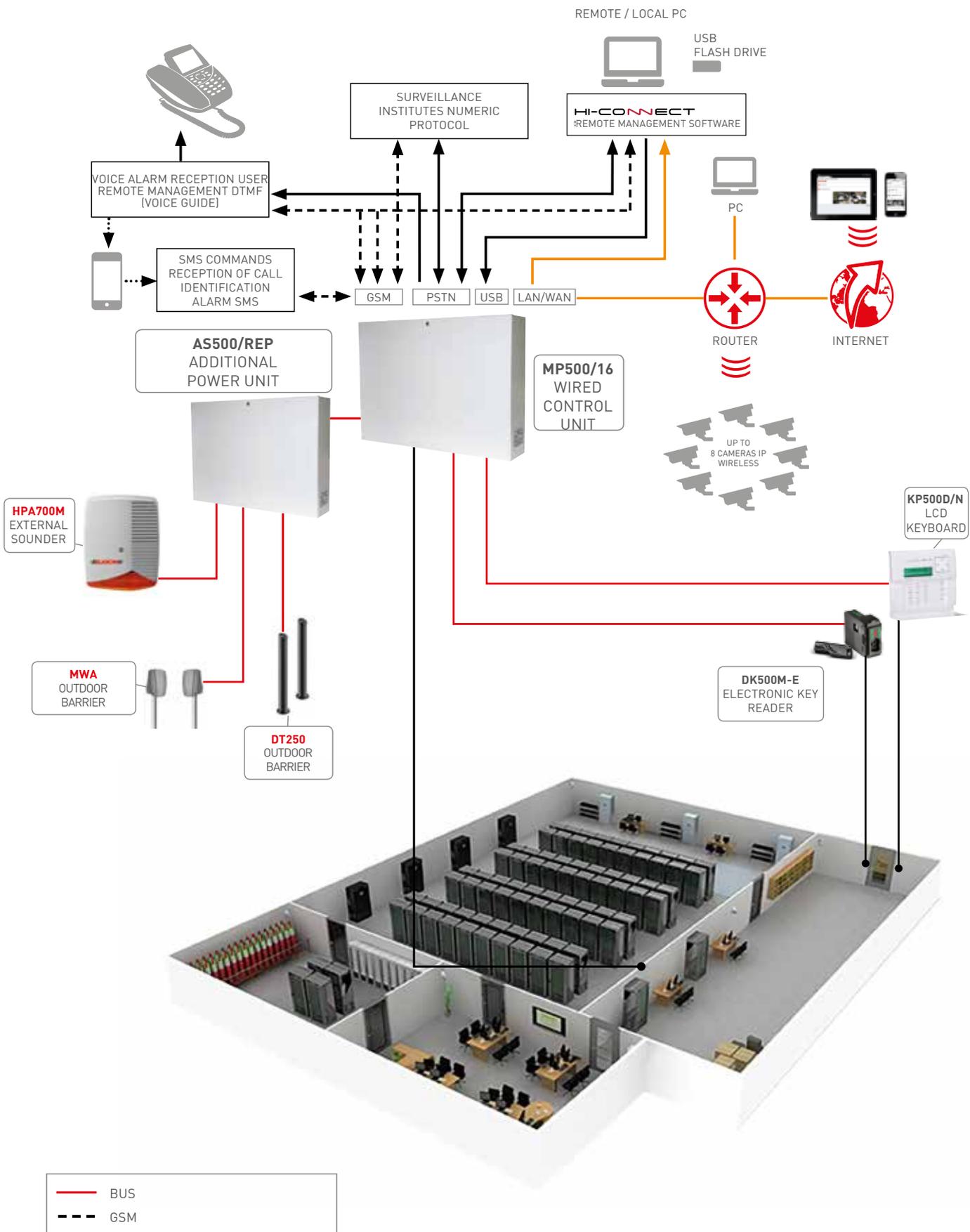


MP500/8: FROM 8 TO 64 INPUTS

The security of a constant connection: via telephone, LAN/WAN, HI-CONNECT



MP500/16: FROM 8 TO 128 INPUTS



ELEMENTS OF THE SYSTEM

item no. 80KT3N00111

MP500/4N INTRUSION ALARM KIT

Kit composed by 1 MP500/4N control unit + 1 KP500D/N keypad



item no. 80KT1N00111

MP500/8 INTRUSION ALARM KIT

Kit composed by 1 MP500/8 control unit + 1 KP500D/N keypad + 1 SV500/N speech synthesis module



item no. 80MP1N00111

MP500/4N

Control unit with 4 inputs expandable up to 32, 4 splittable sectors, local (USB) and remote (modem) programming from PC. Video management, wireless integration, IMG500 module management, access via Internet. Switching power unit 1.5A. EN50131 class 2 certification.



item no. 80MP4L00111

MP500/8

Multifunctional control unit with 8 inputs expandable up to 64 with integrated PSTN telephone dialler. 8 splittable sectors, local (USB) and remote (modem/LAN) programming from PC. Video proof function. Access via Internet. Switching power unit 1.5A. EN50131 class 3 certification.



item no. 80MP5L00111

MP500/16

Multifunctional control unit with 8 inputs expandable up to 128 with integrated PSTN telephone dialler. 16 splittable sectors, local (USB) and remote (modem/LAN) programming from PC. Video proof function. Access via Internet. Switching power unit 3,4A. EN50131 class 3 certification.



item no. 80IT2710111

IT500WEB

Web interface. Compatible only with MP500/4N, MP500/8 and MP500/16 control units.



item no. 80KP7100111

KP500D/N

Remote keypad with alphanumeric LCD, 2 lines per 16 characters. Compatible only with MP500/4, MP500/4N, MP500/8 and MP500/16 control units.



item no. 80KP7200111

KP500DV/N

Same as KP500D/N with microphone and loudspeakers (environmental listening, emergency functions, voice messages). Compatible only with MP500/4, MP500/4N, MP500/8 and MP500/16 control units.



item no. 80KP7400111

KP500DP/N

Touch keypad with integrated proximity reader. Compatible only with MP500/4, MP500/4N, MP500/8 and MP500/16 control units.



item no. 80CT5510111

IMG500/N

GSM module with antenna inside the control unit



ELEMENTS OF THE SYSTEM

item no. 80CT5820115

ITL500

PSTN Plug IN interface for MP500/4N control panel

item no. 80AN0400111

ANTENNA x GSM/2

Antenna for metal casing with SMA-M connector compatible with the GSM IMG500 module. To be used with MP500/16 control unit.



item no. 80MP4J00111

CP/EXP

Wall-mounted plastic casing for EP508 or ER600 extensions.

item no. 80MP7K00211

EP508

Extension with 8 inputs, 3 outputs, allocable inside CP/EXP containers and AS supply unit



item no. 80PS5500111

AS500/RPT

Additional power unit with bus signal repeater and integrated expansion board



item no. 80SW2400111

HI-CONNECT

Software for remotely manage Elkron control units, call management and alarm reception



item no. 80CT6610111

SV500/N

Speech synthesis board with pre-recorded messages (input/sector/event). Messages for voice guide (remote functions)



item no. 80DK3500111

DK30

Proximity key



item no. 80DK5200211

DK500M-P

DK30 electronic key reader. Compatible with a wide range of adaptors for the main residential product series



item no. 80DK5300211

DK500M-P/B

Same as DK500M-P, white version

item no. 80DK5400211

DK50

Digital electronic key



item no. 80DK5000211

DK500M-E

DK50 digital electronic key reader. Compatible with a wide range of adaptors for the main residential product series



item no. 80DK5100211

DK500M-E/B

Same as DK500M-E, white version



RADIO ELEMENTS OF THE SYSTEM

item no. 80WL2410111

ER600

Wireless extension on bus for MP500 systems



item no. 80HP8A00113

HP600

Outdoor siren with strobe light and battery supplied.



item no. 80IM3900113

IM600

Double-technology indoor detector. Batteries supplied with the product



item no. 80IR1F00113

IRT600

Infrared blind-effect detector. Batteries supplied with the product



item no. 80IR2E00113

IR600

Indoor infrared detector. Batteries supplied with the product



item no. 80IR2F00113

EIR600

Infrared outdoor detector with Pet Immunity function. Batteries supplied with the product



item no. 80IM4100113

DT600

Double-technology outdoor detector, blind protection



item no. 80KP5500113

KP600

LED keypad. Batteries supplied with the product



item no. 80MM1G00113

DC6002I

With micro contact with 2 aux inputs. Batteries supplied with the product.



item no. 80MM1H00113

DC6002I/BR

Brown micro contact with 2 aux inputs. Batteries supplied with the product.

item no. 80MM1E00113

DC600

White micro contact. Batteries supplied with the product



item no. 80MM1F00113

DC600/BR

Brown micro contact. Batteries supplied with the product

item no. 80TX4400113

RC600

4-button remote control. Batteries supplied with the product



The above-listed radio devices are compatible with **EG@N**, the new wireless intrusion alarm system with warning in case of alarm, to be controlled through dedicated apps. For further information, please contact the export sales network.

SALES NETWORK

For any information on the purchase and availability of the products described in this brochure, please contact the sales network of Elkron. In order to find the relevant sales branch in charge in your area, simply refer to the "Sales Network" chapter in the "Contact" section of the web page www.elkron.com. Alternatively, you may scan the QR code provided herein with your smartphone or tablet.

Further information on how to purchase Elkron products are available also at the Telephone Customer Support service of Elkron. For contacts and opening hours, see the back cover.



<http://www.elkron.com/en-us/contatti/retecommerciale.aspx>

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