

MP500 SYSTEM

The MP500 system is the ideal solution to create intrusion alarm systems in different environments.

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. The modular system allows to use the same peripheral devices (readers, keyboards, interfaces, expansion modules, etc.) with all the control units of the range.

All control units have the same communication protocol, can be installed with the same procedure and can be managed in remote through HI-CONNECT software.

✓ **Very easy management**

Thanks to the possibility to establish connections with Smartphone, tablet, land line phone, LAN and WAN, the MP500 system is easy to manage both locally and remotely, both by the installer and by the end customer.

The Hi-Connect software developed by Elkron allows to manage, programme and check the whole system also remotely, with the additional possibility to store the whole programming on USB drive and to check in real time the main system information.

✓ **Highly flexible**

Easy to install, fast and flexible. These are the key strengths of the MP500 system. The expandable inputs make it the ideal solution for all installation types, either small-, medium- or large-size ones. Adding up to 8 IP cameras, it is possible to combine the intrusion alarm and video surveillance functions into one single system. Thanks to the special speak/listen keypad, the MP500 system can perform a room control function in the protected area.



MP500 SYSTEM

✓ Wide customisation options

The different functions of MP500 system, including video surveillance, fire alarm, building automation, emergency, proof of life, allow the users to customise the system according to their needs.

✓ Landline/mobile phone management

Simple and complete system management. User-friendly and convenient voice menu. Instant identification of the area concerned by an alarm in case of telephone call. Room control function is available with speak/listen keypads.

✓ Hi-Connect remote management software

Control unit remote management, check and programming via PSTN/GPRS telephone networks and LAN/WAN.

✓ Connection to surveillance centres

Through digital protocols/in DTMF and/or IP.

✓ Remote management

Through PSTN, GPRS, LAN, WAN networks. Possibility to send voice, digital and SMS alarms.

✓ Remote DMTF control management

With voice guide and speak/listen room control and Caller ID management.

✓ SMS control management

Service activation via SMS.
Input alarm identification by SMS message.

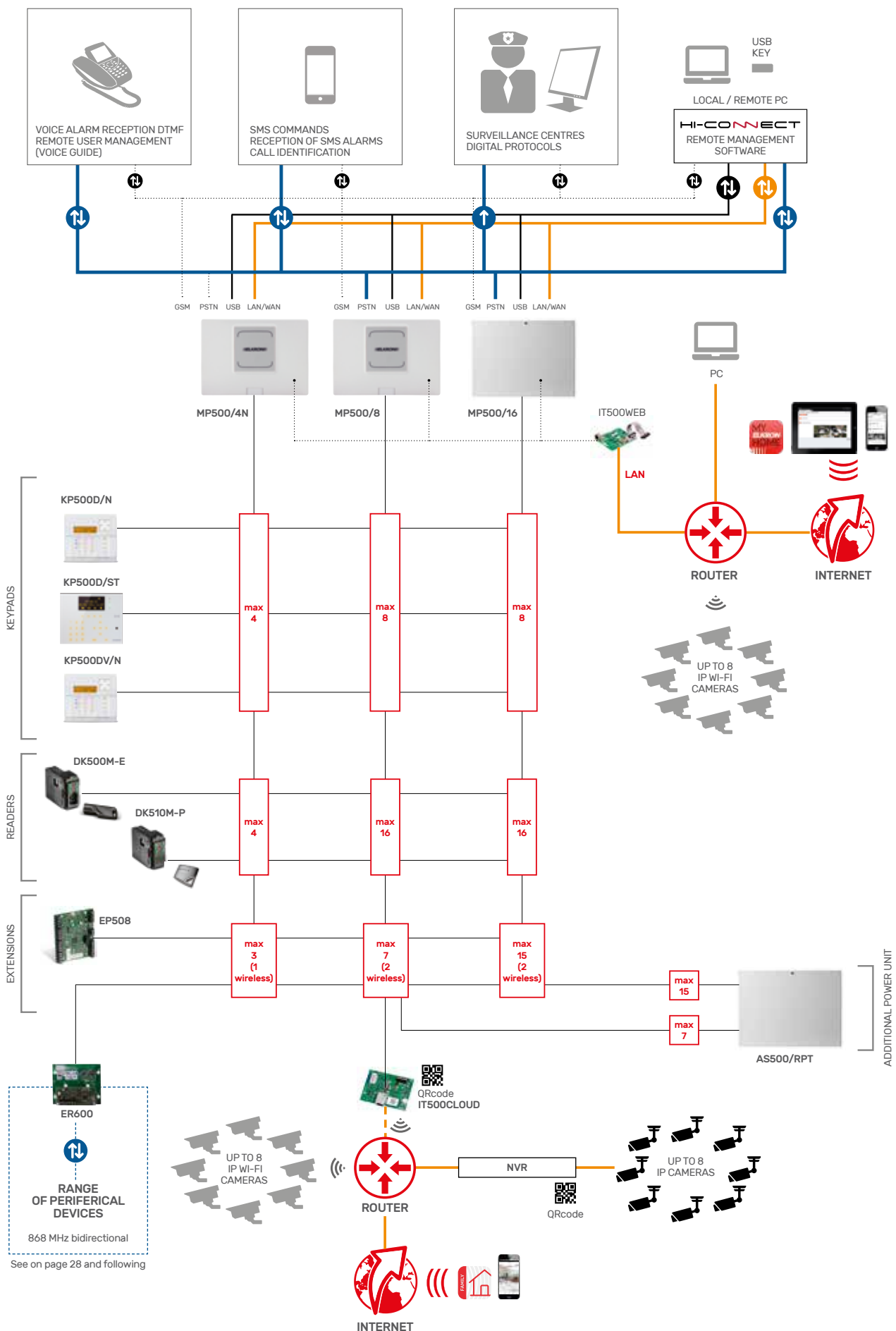
	MP500/4N	MP500/8	MP500/16
STANDARD/EXPANDABLE INPUTS	4/32	8/64	8/128
STANDARD/EXPANDABLE OUTPUTS	2/11	6/27	6/51
PSTN TRANSMITTER	Optional (ITL500)	YES	YES
MULTI-PROTOCOL DIGITAL TRANSMISSION	YES	YES	YES
VOICE MESSAGE TRANSMISSION	Optional (SV500)	Optional (SV500)	Optional (SV500)
TIMETABLE PROGRAMMER	YES	YES	YES
LAN MANAGEMENT	YES	YES	YES
GSM/GPRS TRANSMISSION	Optional (IMG500/N)	Optional (IMG500/N)	Optional (IMG500/N)
LCD KEYPAD	YES	YES	YES
SOFT TOUCH KEYPAD	YES	YES	YES
WIRELESS EXTENSION	YES	YES	YES
PARTITION OF THE SYSTEM IN ZONES	4	8	16
PARTITION OF THE SYSTEM IN AREAS	2	4	4
WEB INTERFACE	Optional (IT500WEB)	Optional (IT500WEB)	Optional (IT500WEB)
CLOUD INTERFACE	NO	Optional (IT500CLOUD)	NO
EVENTS LOG	1000 event log	1000 event log	1000 event log
EN50131 CERTIFICATION	Class 2	Class 3	Class 3

MP500 SYSTEM

MAIN FEATURES OF THE SYSTEM

- ✓ **Fast system setup:** to acquire the devices it is not necessary to set the addresses with dip switch. It is sufficient to press their programming button and the control unit will send to the device the assigned address and the factory settings.
- ✓ **Service keypad:** it is possible to connect to the control unit a temporary service keypad, through a dedicated connector, for programming or maintenance. The service keypad can be disconnected from the system after installation, without needing to program the control unit again.
- ✓ **Wide input configuration capability:** each input can be configured according to type (seven) and specialisation (twenty). Each control unit input, keypad, extension and reader can also manage Elkron VSD3 and MMZ01 inertial detectors and Elkron MF01 and MF02 roller shutter detectors.
- ✓ **WIRELESS device management:** possibility to integrate into the wired system several wireless devices: infrared, contact, remote control, indoor siren, outdoor siren, keypad.
- ✓ **Advanced technological alarms:** when a “technological” event occurs, (for example the flood of a room), the system can activate specific actions, for example the closure of the water solenoid valve, and send the corresponding alarms. In order to manage different situations, the system is provided with three outputs management types.
- ✓ **Rescue call:** the system, with a dedicated input, can send a phone call with a voice message concerning the help request. If the system is equipped with a KP500DV/N voice keypad, it will be possible to communicate in hands-free mode with the person who sent the alarm.
- ✓ **Door opener:** it is possible to control an electric lock with an output configured as “door opener”. In this way it is possible to limit the access to specific areas only to authorised personnel. Date, time and user requesting the opening are stored in the control unit.
- ✓ **Voice guide for remote control:** the system guides the telephone interaction with the user through voice messages.
- ✓ **Advanced alarm voice calls:** possibility to send voice calls with specific messages for each zone and/or inputs.
- ✓ **Service message broadcast:** possibility to send diagnostic information to the user through hands-free voice messages sent by the voice keypad.
- ✓ **Video function with web server:** it is possible to manage up to 8 IP cameras freely associated to one or more system inputs, using the app.
- ✓ **Remote management via LAN/WAN**
 - Connection speed 115,200 baudrate
 - Capability to enter up to 12 static IP addresses to send alarms
 - Programmable alarm transmission
 - Malfunction notification management (connection impossible), with event stored in control unit log file
- ✓ **System data transfer:** the installer can prepare control unit programming from their PC, save the settings on a USB memory drive, then go to the customer (just with the memory drive) and update control unit software. The memory drive can also be used for other useful functions:
 - Edit programming at the customer’s premises by using the keypad, save the settings on the memory drive and then update the data at the office on Hi-connect
 - If previous programming was stored on the memory drive, the control unit can be replaced at the customer’s premises without reconfiguring the system
 - If 2 systems have to be created using the same keys and/or user codes, the memory drive can be used to duplicate key codes and/or user codes
 - To improve safety, the memory drive can be used as a BACKUP drive for configurations and codes

MP500 SYSTEM



KEYPADS

READERS

EXTENSIONS

See on page 28 and following

HYBRID SYSTEMS

RADIO SYSTEMS

DETECTORS

PERIMETER DETECTORS

OUTDOOR PROTECTIONS

SOUNDERS

TELEPHONE DIALERS

ACCESSORIES

MP500 SYSTEM

CONTROL UNITS



MP500/4N item no. 80MP1N00111

**Control unit with 4 inputs expandable up to 32.
Remote management, video proof and management
of wireless devices.**



- ✓ Multi-language menu: Italian, English, French, German, Spanish, Portuguese, Suomi, Polish, Slovenian
- ✓ 4 programmable inputs + 1 dedicated 24h tamper input; expandable up to 32 (wired/wireless)
- ✓ 2 programmable outputs (1 relay + 1 OC 150mA) expandable up to 5
- ✓ Splittable into 4 zones
- ✓ 1 fieldbus for connection of: max. 2 LCD keypads, max. 4 key readers
- ✓ Management of 32 user codes (from 4 to 6 digits)
- ✓ 1000 event log
- ✓ Weekly timetable programmer, 8 daily controls
- ✓ Up to 12 phone numbers for to send alarms
- ✓ Digital transmission of numerical and/or modem protocols
- ✓ Remote management via modem
- ✓ Telephonic transmission to 12 telephone numbers, through digital protocols and/or modem
- ✓ Speech synthesis interface to send alarm messages
- ✓ Voice guide for DTMF remote controls
- ✓ GSM interface with antenna that can be placed inside the control unit
- ✓ DTMF controls for remote system management
- ✓ Ethernet interface for connection with LAN or ADSL modem
- ✓ PSTN interface ILT500-N
- ✓ Web interface and user app for video management (up to 8 IP cameras) and intrusion alarm from remote mobile devices (PCs, tablets, Smartphones)
- ✓ Wireless interface for hybrid management of the system
- ✓ USB interface for connection to a PC for local programming, USB drive interface for storage and retrieval of system programming
- ✓ HI CONNECT software application for programming and remote management
- ✓ Case material: white ABS
- ✓ Battery: 12 Vdc - 7 Ah
- ✓ Switching power unit: 1,5 A
- ✓ Dimensions (H x W x D): 238 x 340 x 90 mm
- ✓ **EN50131 class 2 certification**

MP500 SYSTEM

CONTROL UNITS



MP500/8 item no. 80MP4L00111

Control unit with 8 inputs expandable up to 64 with integrated PSTN telephone dialler. Remote management, video proof, management of wireless devices, bus repeater.

- ✓ Multi-language menu: Italian, English, French, German, Spanish, Portuguese, Suomi, Polish, Slovenian
- ✓ 8 programmable inputs + 1 dedicated 24h tamper input; expandable up to 64 (wired/wireless)
- ✓ 6 programmable outputs (2 relay + 4 OC) expandable up to 27
- ✓ System splittable up to 8 zones
- ✓ Management of 32 user codes (from 4 to 6 digits) and 32 keys (electronic keys DK50 or proximity keys DK70)
- ✓ 1000 event log
- ✓ Weekly timetable programmer, 8 daily controls
- ✓ 1 fieldbus for connection of: max. 8 display keypads, max. 7 extensions, max. 16 key readers
- ✓ Direct connection for service keypad
- ✓ Telephonic transmission to 12 telephone numbers, through digital protocols and/or modem
- ✓ Voice synthesis interface: factory recorded messages for each system input/zone/event, sound BUS for voice and room control functions through keypad (KP500DV/N)
- ✓ Voice guide for DTMF remote controls
- ✓ GSM interface with antenna that can be placed inside the control unit
- ✓ Ethernet interface for connection with LAN or ADSL modem (12 static IP addresses)
- ✓ Web interface and user app for video management (up to 8 IP cameras) and intrusion alarm from remote mobile devices (PCs, tablets, Smartphones)
- ✓ Cloud interface for user app
- ✓ Wireless interface for hybrid management of the system
- ✓ USB interface for connection to a PC for local programming
- ✓ USB drive interface (standard) for storage and retrieval of system programming
- ✓ HI CONNECT software application for programming and remote management
- ✓ Battery: 12 Vdc 7 Ah
- ✓ Switching power unit: 1,5 A
- ✓ Dimensions (H x W x D): 238 x 340 x 90 mm
- ✓ **EN50131 class 3 certification**



MP500 SYSTEM

CONTROL UNITS



MP500/16 item no. 80MP5L00111

Control unit with 8 inputs expandable up to 128 with integrated PSTN telephone dialler. Remote management, video proof, management of wireless devices, bus repeater.



- ✓ Multi-language menu: Italian, English, French, German, Spanish, Portuguese, Suomi, Polish, Slovenian
- ✓ 8 programmable inputs + 1 tamper input; expandable up to 128 (wired/wireless)
- ✓ 6 programmable outputs (2 relay + 4 OC); expandable up to 54
- ✓ System splittable up to 16 zones
- ✓ System splittable up to 4 areas
- ✓ Management of 64 user codes (from 4 to 6 digits) and 64 keys (electronic keys DK50 or proximity key DK70)
- ✓ 1000 event log
- ✓ Weekly timetable programmer, 8 daily controls
- ✓ 1 fieldbus line for connection of: max. 8 keypads, max. 16 extensions, max. 16 key readers
- ✓ Direct connection for service keypad
- ✓ Telephonic transmission to 12 telephone numbers, through digital protocols and/or modem
- ✓ Voice synthesis interface: factory recorded messages for each system input/zone/event, sound BUS for voice and room control functions through keypad, voice guide for DTMF remote controls
- ✓ GSM interface with antenna that can be placed inside the control unit
- ✓ Ethernet interface for connection with LAN or ADSL modem
- ✓ Web interface and user app for video management (up to 8 IP cameras) and intrusion alarm from remote mobile devices (PCs, tablets, Smartphones)
- ✓ USB interface for connection to a PC for local programming
- ✓ USB drive interface (standard) for storage and retrieval of system programming
- ✓ HI CONNECT software application for programming and remote management
- ✓ External antenna for GSM module that can be placed on the top of the case
- ✓ Battery: 12V@ 17A
- ✓ Switching power unit: 3,4 A
- ✓ Dimensions (H x W x D): 350 x 490 x 145 mm
- ✓ EN50131 class 3 certification

KITS

MP500/4N INTRUSION ALARM KIT item no. 80KT3N00111

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

MP500/8 INTRUSION ALARM KIT item no. 80KT1N00111

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