GameOver

Security Systems _ General Catalogue

inim ELECTRONICS

By COFADIS

SmartLiving System

Flex5/P expansion

Joy/MAX

A pioneering approach

The SmartLiving system provides an array of resourceful features and components that emphasize the true potential o INIM's ground-breaking technology. Some o these eatures are highlighted in the following pages.

The SmartLiving terminals

SmartLiving technology goes beyond the static perspective of inputs and outputs and launches the new concept o "terminals". A concept based on INIM's patented FlexIO technology.

Terminals are no longer pre-defined at the factory but can be configured as either inputs or outputs during system installation.

Additionally, the SmartLiving system terminals (5 on SmartLiving505, 15 on SmartLiving515, 50 on SmartLiving1050 and 100 on SmartLiving10100) can be "mapped" reely allowing the installer to take advantage of every terminal.

Shortcuts and Scenarios

One of the aims of the R & D professionals who designed the SmartLiving system was to ensure that it would be both installer and user friendly.

This was achieved by building-in macro eatures that allow the installer to create "shortcuts". These shortcuts can be associated with the customizable icons on the display (up to 12 shown above the function keys), in such a way as to clearly indicate which functions are associated with which keys.

The shortcuts allow time-consuming sequences to be transformed into simple one-stroke actions. And, besides being assigned to the function keys, they can be assigned to the ordinary keys on the keypad and also to reader LEDs, wireless key LEDs, SMS reception and Caller ID unctions, and even to touch-screen operations on the user's personal Smartphone. The shortcuts make operations (door control, appliance control, Arm/Disarm operations, etc.) much easier and less error-prone, regardless of the interface, whether it be a keypad, proximity reader or the user's personal Smartphone or cellphone.

Technologies

Superior to time and irst on the changing scene o security systems, INIM's newly designed control panels and devices are based on new-generation technologies and leading-edge system architecture. All products are designed to take full advantage of the latest microprocessor technology, bus architecture and communication paths.
The result is a range of truly innovative products whose superiority in design technology and performance is more than obvious. The highly-competitive SmartLiving intrusion control panel provides important features rarely found in residential and small commercial application systems of its kind. This optimized-performance control panel provides first-rate features such as: graphic display, text-to-speech, voice notifier, flexible hardware, end-to-end voice transmission (voice-on-bus), IP connectivity.

Easy4U
Technology and Simplicity. From the onset INIM's R & D pro essionals took great pains to ensure that the SmartLiving intrusion control panel would be both installer and user friendly. Easy4U is based on audible and visual technologies which provide a series of operative approaches which inter ace with the system and access "Shortcuts". The visual guide utilizes a display that provides information in text and graphic formats. The text display (4 lines of 16 characters) is twice the size of displays normally found in control panels in this market segment. The uncomplicated " ollow me" graphic guide steers the user through a choice of options. Explicit icons indicate the keys to press making operations clear-cut and simple. In the case of the Joy/MAX keypad, the voice-prompt feature guides the user effortlessly through operations. The voice prompt feature on Joy/MAX keypad guides the user effortlessly through operations. Even the installer will find Easy4U technology helpful. Programming is piloted by a straightforward graphic interface similar to that of a PC. In addition, an advanced technology "text-to-speech" eature allows you to create "voice" messages by simply typing in the texts. It is also possible to download .Wav iles and messages recorded on the PC to the control panel. A further feature of great importance is automatic-learning of all zone balancing which allows the system to set itself up in accordance with its cabling.

VoIB
Technology and Communication. VoIB technology allows the system to manage end-to-end voice transmissions at extremely high-speed over the IBUS. This is achieved through "voice digitizing and compression" which allows the signal to be transmitted in data packets over the bus, a feature new to control panels in this market segment. This installer-friendly feature allows installed systems to be upgraded with voice functions without the hassle of additional wiring. This technology bases its operating principles on the I-BUS. VoIB stands or "Voice over I-BUS". This appellation is a orm o tongue-in-cheek tribute to the well-known VoIP technology ("Voice over IP") which allows digitized voice transmission over TCI/IP. VoIB technology allows the system to manage functions such as: Multi-keypad Intercom; Listen-in; Voice Notifier, and various other useful functions.

FlexIO®

FlexIO

Technology and Flexibility. FlexIO o ers the ultimate in INIM's patented split-terminal technology. With this technology the embedded distinction between inputs and outputs no longer exists. In fact, FlexIO terminals work as both. In other words, the number of zones and outputs on an expansion board is defined during system installation and is no longer pre-defined at the factory. This hardware flexibility goes even further, as these terminals can read analogue values, deal directly with vibration and rollerblind sensors, output analogue signals and also manage "zone doubling" (two separate hardwired zones placed to one terminal). This installer-friendly technology also allows you program the intervention thresholds of the terminals you employ as inputs. Each terminal is equipped with a fine-adjustment trimmer (Patent Pending) which eliminates the risk of incorrect analysis evaluation and thus lowers the false alarm rate. Another interesting aspect of FlexIO terminals is the " ree mapping" eature. To all intents and purposes, the control panel terminals can be "mapped" anywhere on the peripherals (keypads and expansion boards) in such way to allow the installer to use every terminal the system provides.

janus®

Janus

Technology and Connectivity. Janus technology takes you into a different realm.
It permits you to interface the world of INIM products with the outside world through a TCP/IP Ethernet connection. Janus technology is embedded in SmartLAN/SI and SmartLAN/G boards. By accessorizing the SmartLiving control panel with these boards, you will be allowed "no-risk" worldwide access to the system via the Internet.
You will be able to send TCP/IP data packets and program the system from any remote location over the Internet.
The SmartLAN/G board provides the entire spectrum of Janus technology functions. It not only provides easy remote access from anywhere in the world, but also offers the opportunity to send e-mails and attachments. Additionally, you can access the system via the Internet and interact with the control panel through a virtual keypad.
On top of that, the sophisticated technology of Janus allows you to interact with the control panel through your Smartphone just as if you were standing in front of a keypad.
The Janus technology embedded in the SmartLAN/G board transforms your Smartphone into a wireless keypad that allows you to operate on the SmartLiving system. A keypad connected to the panel no matter where you are!

Evolution

Multimedia device for domotic control in SmartLiving systems

I you have a passion or technology then you will certainly have a passion or INIM's Evolution.
The Evolution is a multimedia touch-screen interface which allows you to manage SmartLiving intrusion-control systems.
In addition to intrusion-control functions, the Evolution provides a generous range of multimedia and domotic functions.
It is the ull touch-screen experience. Just a ew touches on the 7" colour screen allow you to activate the unctions you want to use. The Evolution is capable of managing the intrusion-control system in your home and, if you necessary, also the one in your office. In fact, it can handle up to 10 different SmartLiving intrusion systems as if they were one single system.
Moreover, if an event occurs on one of the network systems, the Evolution will provide you with an instant pop-up message with all the event details. Additionally, the real-time video-flow from the 4 IP cameras will let you to see exactly what is going on in the protected area. The user-friendly Evolution allows operators to set up interactions between control panels and create one big network from the various distinct systems.
The integrated functions of the Evolution are managed by the powerful EVO-SUITE software, developed in Linux environment at INIM's so tware laboratory.
This fexible software allows you to arm, disarm or split the local system or one of the remote systems by simply touching the screen. It also provides advanced information regarding the status of the various system objects (zones, outputs) and the events memory. The Evolution can also operate as a video terminal and, in this way, allows control both local and remote IP cameras.
This function allows you to check on the garden at home and the gate at work in the exact same manner, even when you away.
This useful daily-surveillance function is extremely important when alarms occur. In fact, when the Evolution is connected to the IP cameras, it provides instant video-verification of exactly what is happening in the protected area and, consequently, allows you to take the appropriate actions. This all goes to show that "Evolution" is also an excellent video-veri ication tool.
Additionally, the Evolution provides a video-intercom function which allows you to see who is at your gate or door and, furthermore, also lets you allow entrance by simply touching the screen.
The widgets and buttons you intend to use can be located anywhere on the touchscreen.
The buttons have programmable graphics and can be easily associated with the icon which is most suitable for the respective touch-screen function. In this way, you can switch on lights, activate garden sprinklers, turn on air-conditioning systems, open venetian blinds, roll up roller blinds, open gates, view camera images, open Internet browsers and much more.
There has never been such flexibility.
As well as the screen buttons, you also have widgets. These are zones on the screen which are capable of displaying real-time information.For example, the an analogue clock widget displays the local time or the times in different time zones, likewise, the weather widget displays worldwide temperatures and weather conditions.
The interesting RSS widget makes adding updates from any RSS feed extremely simple. If you are a football fan, you can obtain real-time posts from your favourite website. The same goes for politics, culture, economy and finance. All you need to do is ask the Evolution to post the news you want and, as a result, you no longer have to find news: the news will find you!
If you want the Evolution to display your favourite photos or the photos of your last holiday, all you need to do is activate the slide-show widget. The photos of your happiest moments will appear on the screen, either on request or when the screen has been inactive for some time. The photos reside on a folder of an SD card (optional) on-board the Evolution. The folder can be updated when required by downloading the SD card via the network, therefore, there is no need to remove it from the product.

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EN50131-6
CEB T014

SmartLiving 505/515/1050/1050L/10100L


Scheda SmartLiving505


Scheda SmartLiving515


Scheda SmartLiving1050

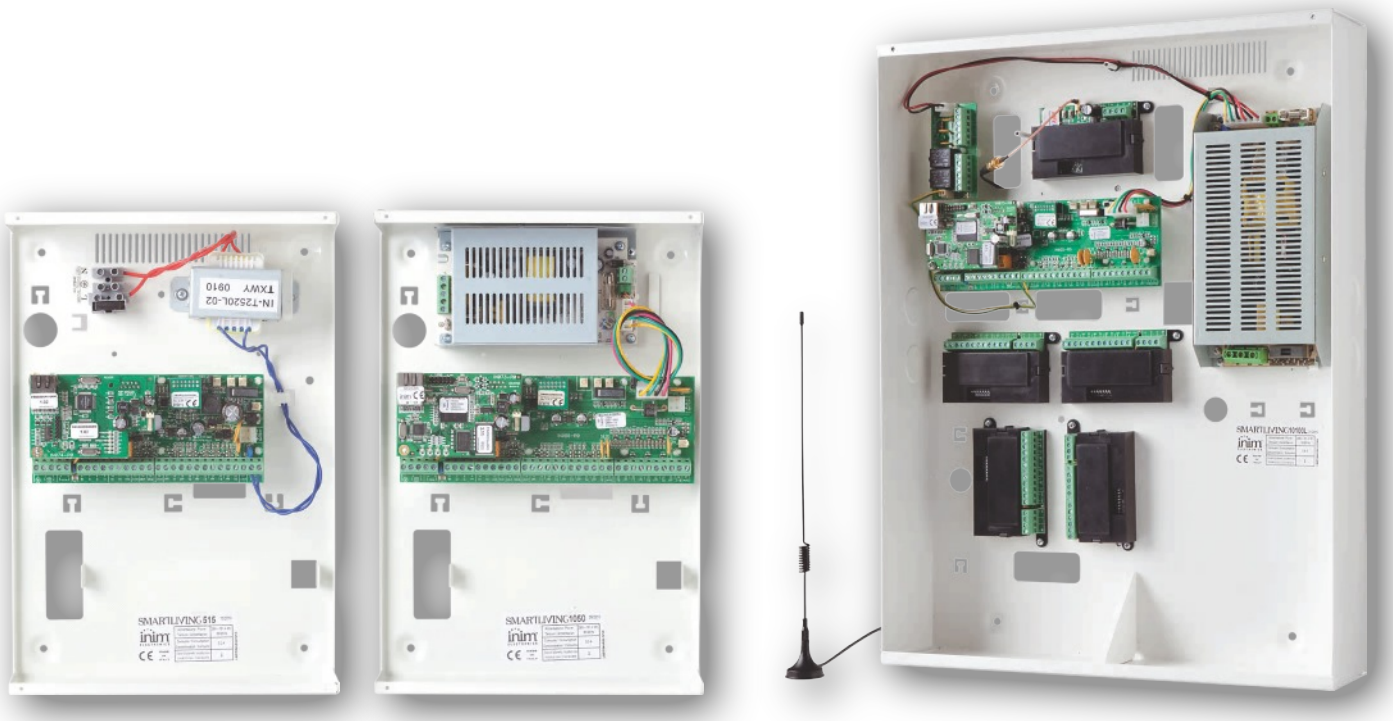

Scheda SmartLiving10100

The control panel versions

The control panel is the heart of the SmartLiving system.
Inim offers 5 versions, all in metal enclosures: SmartLiving505, SmartLiving515 and SmartLiving1050 with housing for a 7Ah battery, and SmartLiving1050L and SmartLiving10100L with housing for a 17Ah battery.
The vast application range o this system spans rom just ive terminals with the "505" version, to a hundred terminals with the "10100" version.
All versions offer an amplitude of tantilizing features.

Innovative BUS technologies

A particularly interesting eature is the new concept o "terminals" attributable to FlexO technology. This concept revolutionizes the static perspective of inputs and outputs and provides the installer with a more adaptable approach to system customization and what is more, a different perception of in-stock needs.
Application of Easy4U technology provides installers and end users alike with all the advantages of an uncomplicated yet effective interface.
The innovative concept o "shortcuts" makes system control e ortless and greatly simpli ies system programming, which is fully piloted by this straightforward interface.
Inim's new-generation I-BUS is the backbone o the SmartLiving system. The I-BUS is capable of of transmitting at an extremely high speed, unmatched in this market segment.
The performance capabilities of the I-BUS have been utilized in such a way as to allow it to manage complex topologies, provide fast-load-insensitive response and end-to-end noise immune voice transmissions, all without need of any extra wiring.
Thus, from this new-generation bus came VoIB technology for voice over bus transmissions. The I-BUS allows the SmartLiving system to grow in accordance with installation needs. The bus accepts proximity readers, keypads with graphic displays, input/output expansions, wireless transceivers, GSM diallers and sounderflashers. The SmartLiving system is capable of enrolling all the bus peripherals automatically, thus further smoothing the process of system configuration. The I-BUS can be protected, sectioned and regenerated by means of IB100 bus isolators/regenerators.



System functions, features and options

The control panel can be enhanced with a SmartLogos board. As a result of VoIB technology, this board provides a vast assortment of advanced voice functions which make the SmartLiving system a breakthrough product in the sector of intrusion control. The matrix is the brain of the system and allows the correlation of the actions and events the system manages. Each of the system events can be associated with output actions, voice dialler actions and digital dialler actions. The system can be accessed by user codes and proximity keys/cards. It is possible to associate each code/key/card with one of the Weekly Timers which can then be programmed to enable/disable it at certain times of the day.

The smartLiving system can be con igured as a "hybrid" system in view o the act that it is capable o managing both hardwired and "Air2" wireless peripherals. This type o con iguration allows it to integrate the new-generation wireless capabilities provided by the "Air2" two-way transceiver. The excellence o connection lexibility o ered by the SmartLiving system is yet another o its strongpoints. The system offers an all-set-to-go Voice dialler and a likewise friendly Digital dialler that readily satifies all the requirements of alarm receiving centres. The SmartLiving system can also be accessed and controlled over-the-phone (PSTN) via the SmartModem100. Additionally, if you wish to provide the system with an alternative communication channel over the GSM network, simply install Nexus. This innovative GSM device manages voice and digital communications, receives SMS commands and sends programmable SMS messages when specific events occur.

The SmartLAN/SI and SmartLAN/G boards offer a level of connection flexibility which is unparalled. These boards provide TCP/IP connectivity and allow the intrusion control panel to send e-mails and attachments. They allow end users/operators to access the system via the Internet and provide a web-server function.

The latter allows end users/operators to connect to the control panel from any PC and verify the status of the system and interact with it. The web-server, embedded in the SmartLAN/G, also allows users/operators to use their Smartphones as SmartLiving wireless keypads, both inside the protected premises, via WiFi, or from any part of the world over GPRS.

The control panel can be programmed from any LCD keypad or via a PC running SmartLeague software. Programming from an LCD keypad is quick and easy, as it is possible to use the default settings which completely eliminate the need to configure the parameters of the Voice dialler and Digital dialler. This programming method is very straightforward, as the operator is guided through the process by means of explicit graphics and easily understandable visual instructions. Configuring the system from a PC is totally trouble free, as it is mainly a series of cut-and-paste and drag-and-drop operations which reduce the operators work to a minimum. SmartLeague software provides an innovative Text-to-speech function which allows operators to create voice messages by merely typing-in the relative text. This function eliminates all the difficulties attached to normal voice recording. The high-speed RS232 port reduces local on-site programming to a split-second task.

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Control panels

Main features of SmartLiving Systems

	SMARTLIVING				
	505	515	1050	1050L	10100L
Hardware features					
Number of terminals supported by the system Number of terminals available for mapping and relocation	5 5	15 15	50 50		100 100
Terminals on motherboard (configurable as inputs or outputs) •	5 (0)	5 (0)	10 (5)		10 (5)
Programmable relay on motherboard	1	1	1		1
Number of programmable open-collector outputs on motherboard	2 (150mA)		2 (500mA)		
Number of partitions available	5		10		15
Relay and power-diffusion board (accessory item)	-	-	-	Yes	
IP Connectivity management (using SmartLAN)	Yes				
Flex5 expansion board housing	-	-	-	Yes	
GSM device housing	Yes				
Power supply	1.2A	1.2A	3A		5A
RS232 Port	Yes				
Power charge monitored by temperature probe (ProbeTh accessory item)	Yes				
Battery test circuit	Yes				
Control-panel firmware upgrading capability	Yes				
Peripheral-firmware upgrading capability via control panel	Yes				
Enclosure	Metal				
Battery housing	7Ah			2x17Ah	
Dimensions (HxWxD)	305x220x80 mm			500x380x95 mm	
Weight without battery	2.5 Kg	2.5 Kg	2.2 Kg	5.1 Kg	5.3 Kg
I-Bus devices					
I-BUS peripherals enrolled automatically	Yes				
Number of Joy and nCode/G keypads supported	5		10		15
Number of nBy readers supported	10		20		30
Number of Flex5 5-terminal Expansions supported	4	10	20		40
Ivy-B Sounderflasher	10				
Number of Air2 Wireless Transceivers supported (1 for versions before 3.00)	4	10	20		30
Nexus GSM/GPRS module	1				
Air2 wireless devices					
MC100 Magnetic contacts and/or IR100 PIRs	5	15	50		100
Wireless keyfobs (KF100)	50		100		150
Authentication					
Installer access codes	2				
Number of user-access codes (can be controlled by timers)	30		50		100
Number of nKey Tags or nCards card (can be controlled by timers)	50		100		150
Telephone communications					
Telephone contact numbers	15				
Telephone line check	Yes				
Automatic voice dialer (SmartLogos30M option, refer to Voice functions)	Yes				
Integrated automatic digital-dialer	Yes				
Integrated remote programming modem	Yes				
Imput terminals					
Auto-learning of zone-balance •	Yes				
Zone doubling (each input manages 2 zones)	Yes				
Input terminals for shock and rollerblind sensors on control panel	2				
Number of input terminals for shock and rollerblind sensors on keypad	2 on Joy, 1 on Concept				
Number of input terminals for shock and rollerblind sensors on expansion boards configurable as inputs or outputs	4				
Programmable input-zone thresholds	Yes				
Input threshold trimmer •	Yes				

Operating principles and features of Smartliving system

	SMARTLIVING				
	505	515	1050	1050L	10100L
Voice functions on motherboard					
Keypad-to-keypad Intercom (Joy/MAX keypads)	Yes				
Remote Listen-in function with choice of location (Joy/MAX keypads)	Yes				
Voice functions on SmartLogos30M board (accessory item)					
Automatic-Answephone function (customizable)	Yes				
Voice-memo slot (one message per Joy/MAX keypad)	Yes				
Local voice-prompt menu (customizable)	Yes				
Voice-prompt menu over-the-phone (customizable)	Yes				
Voice notifier on local keypad (Joy/MAX)	Yes				
Automatic Voice-dialer	Yes				
Message recording at Joy/MAX keypads	Yes				
Message recording from PC (using microphone or .wav)	Yes				
Message recording from PC (using text-to-speech function)	Yes				
Nexus GSM functions (version 4.00)					
Voice dialer over GSM Network	Yes				
Sends pre-edited and customizable SMS text messages for each event	Yes				
Programmable priority-management of PSTN and GSM channels for each event	Yes				
Activates control panel shortcuts via SMS text message or CallerID	Yes				
Answerphone and DTMF command management functions	Yes				
Automatic Balance check	Yes				
Voice, digital and SMS message Emergency communication	Yes				
Other features					
Week-to-week timers (each with 5 'exception' periods) or automatic arming and enablement	10				20
Thermostats with manual, dayly, weekly and antifreeze management (from 3.00 version)	5		10		15
Programmable timer-controlled events (4.00 version only)	10		30		50
Automatic daylight saving time	Si				
Programmable scenarios (arming configurations)	30				
Shortcuts (one-stroke actions)	37				
Programmable icons	50				
Number of tigger events	360	430	840		1430
Rolling event buffer (250 for versions before 3.00)	500				1000
Events log filter	Yes				
Saves compact event details	Yes				
Manages shortcuts on function keys (12) and on numeric keys (10) on Joy and Concept keypads	Yes				
Shortcuts on LEDs (4) on nBy Readers	Yes				
Manages Events-Actions matrix	Yes				
Generates "start o " event-related actions	Yes				
Generates "end o " event-related actions	Yes				
Programming software runs under Windows	Yes				

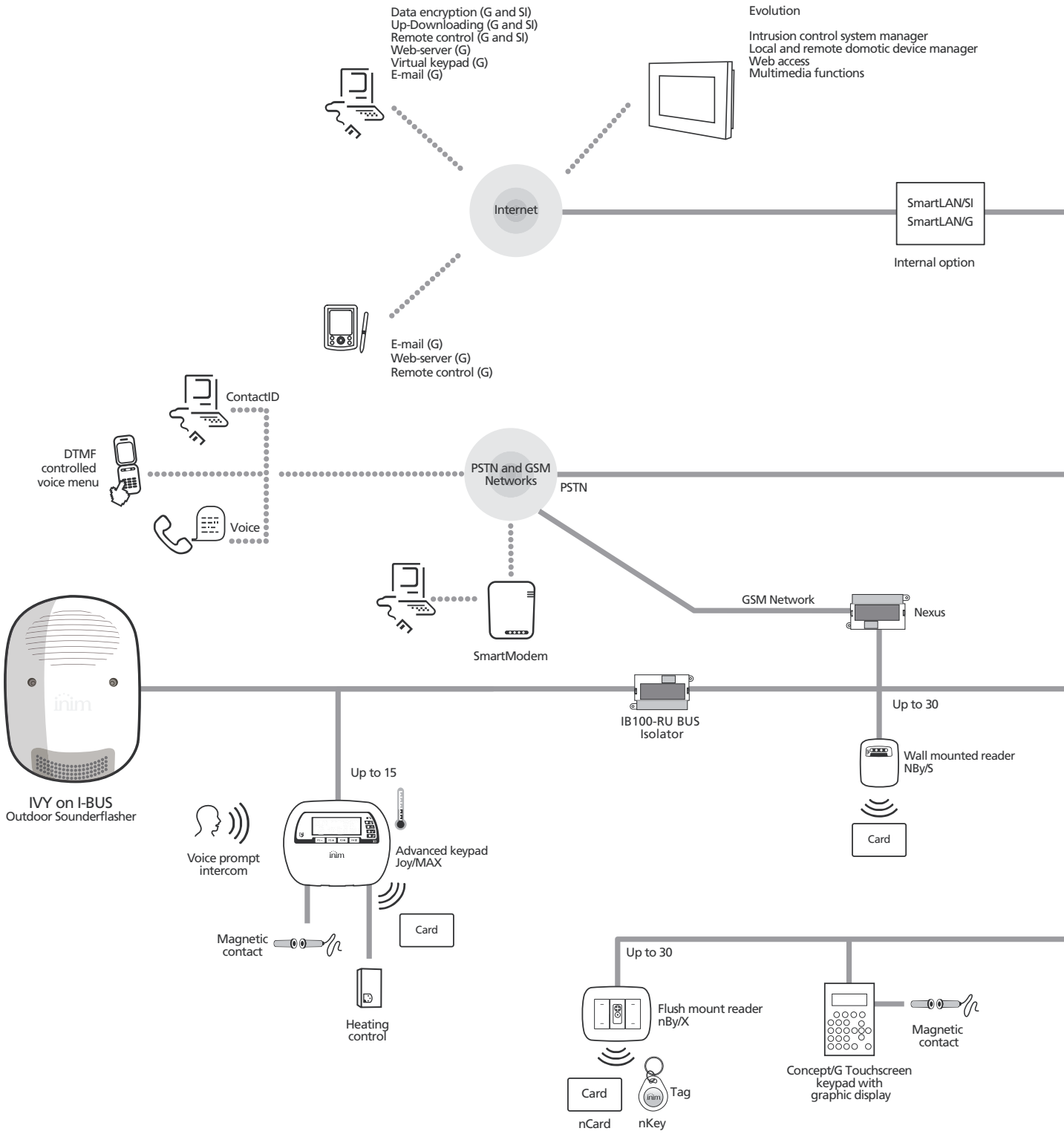
• Patent Pending.

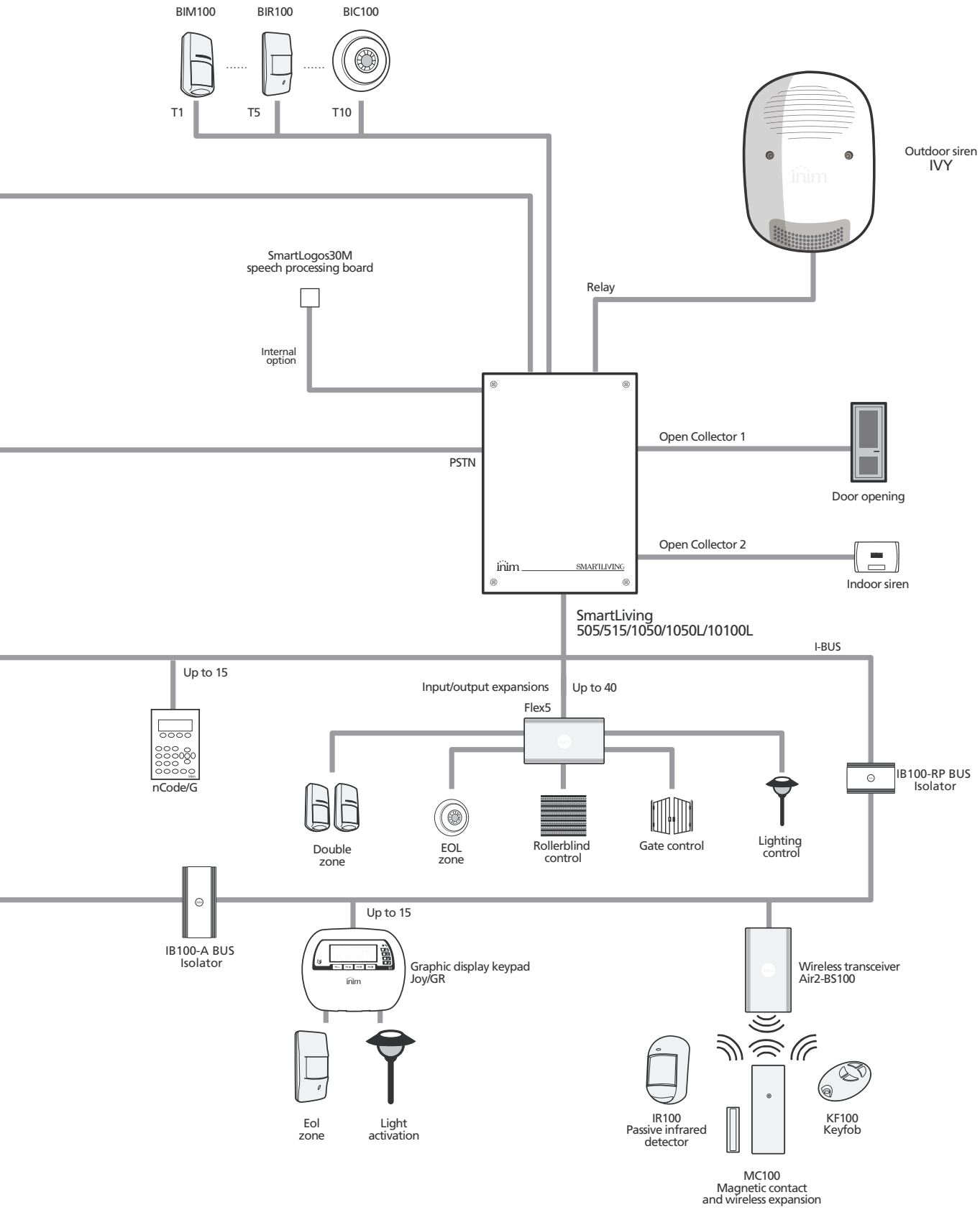
ORd ER COd ES

SmartLiving505: intrusion control panel - 5 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM and TCP/IP.
SmartLiving515: intrusion control panel - 5 to 15 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM and TCP/IP.
SmartLiving1050: intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM and TCP/IP.
SmartLiving1050L: intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM and TCP/IP.
SmartLiving10100L: intrusion control panel -10 to 100 terminals, 10 partitions, 3A power supply, optional connectivity over GSM and TCP/IP.
SLivingMAN-PROG: programming guide for SmartLiving systems.

Control panels

SmartLiving System




BIM100
BIR100
BIC100
T1
T5
T10
Outdoor siren
IVY
SmartLogos30M
speech processing board
Internal
option
Relay
PSTN
Open Collector 1
Door opening
Open Collector 2
Indoor siren
SmartLiving
505/515/1050/1050L/10100L
I-BUS
Up to 15
nCode/G
Input/output expansions
Up to 40
Flex5
IB100-RP BUS
Isolator
Double
zone
EOL
zone
Rollerblind
control
Gate control
Lighting
control
IB100-A BUS
Isolator
Up to 15
Graphic display keypad
Joy/GR
Wireless transceiver
Air2-BS100
Eol
zone
Light
activation
IR100
Passive infrared
detector
KF100
Keyfob
MC100
Magnetic contact
and wireless expansion

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