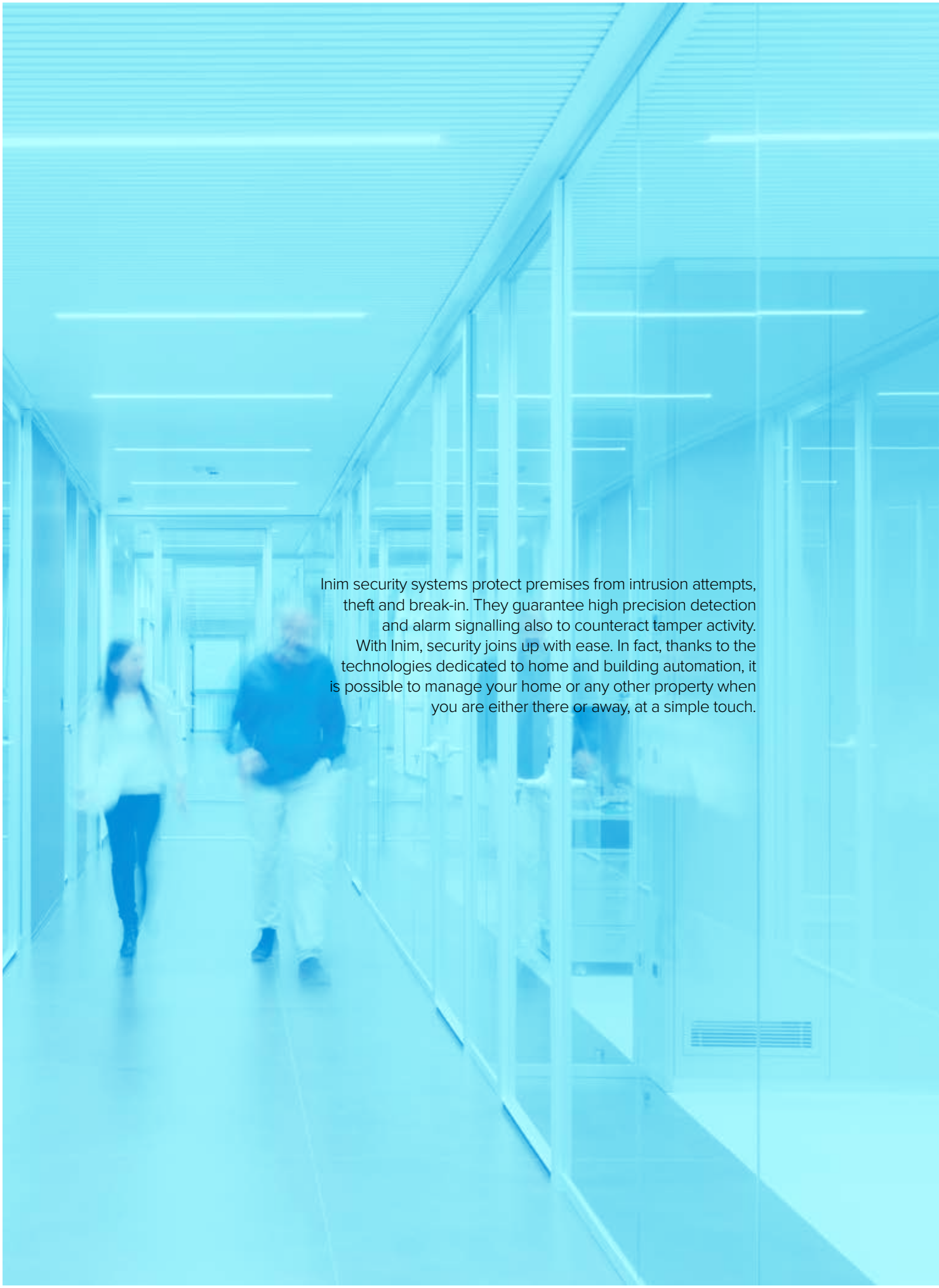
INTRUSION DETECTION AND HOME AUTOMATION

GENERAL CATALOGUE

inim ELECTRONICS



Inim security systems protect premises from intrusion attempts, theft and break-in. They guarantee high precision detection and alarm signalling also to counteract tamper activity. With Inim, security joins up with ease. In fact, thanks to the technologies dedicated to home and building automation, it is possible to manage your home or any other property when you are either there or away, at a simple touch.

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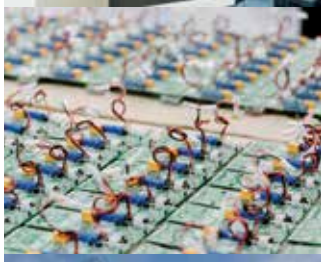

Made in Inim. Made in Italy.

The energy of an Italian company
in continuous evolution.
Intrusion detection, fire detection
and home automation and
appreciated throughout the world.
The quality of fully certified products,
easy to install and even easier to use.
The security that should surrounds us.


inim
passionforsecurity

Technologies

Superior to time and first on the changing scene of 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 Inim 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.

Inim Cloud

Technology in the cloud. The Inim Cloud Service provides Inim users with an exceptional method of system management via the Internet. The connection to the Inim Cloud is achieved without the need to perform configurations in the network on which the control panel operates. Everything is easily accessible from the Web via browser and smartphone App. The Inim Cloud offers users the possibility to receive instant notifications on their smartphones and manage their systems, as well as allowing the installer to constantly monitor the proper operating capacity of all installed systems. Plug & play configuration, storage and network redundancy, geographical replication of data centres, remote management of security and home-automation systems, control-panel programming via the Cloud, email and app push notifications, simple and intuitive web interface, always and everywhere accessiblility, these are the watchwords of a service that provides the ultimate in remote control for users and installers.

Easy4U

Technology and simplicity. Programme and manage the system with ease. The Easy4U is INIM's answer to the ever increasing request for simplicity. The Easy4U is a set of interface operating modes that offers instant understanding of how to carry out operations. It has a colour touch-screen that obeys inputs from finger strokes and provides all the information the user needs. Its large graphic display provides a visual guide that steers users quickly through operations. Users can also take advantage of its interesting voice menu. Easy4U makes life easy for the installer too, with functions such as: guided programming, terminal potentiality, reprogrammability of bus-peripheral firmware and an automatic zone-balancing learning process.

VoIB

Technology and communication. VoIB technology allows transmissions to pass through the system with no need for wiring other than that normally used for the bus connection between the control panel and the peripheral unit. VoIB technology exploits the potential of INIM's I-BUS which is capable of sorting and relaying data packets between peripheral devices at a speed that is unequalled in this market segment. VoiB stands for "Voice over I-BUS". This appellation is a tongue-in-cheek tribute to the well known VoIP technology ("Voice over IP"). VoIB technology allows the system to manage functions such as: multi-keypad intercom, listen-in, two-way conversation, voice menu, local dialer and more.

FlexIO

Technology and flexibility. FlexIO is an exclusive technology that eliminates the distinction between inputs and outputs. During system installation, FlexIO technology allows you to define whether a "terminal" must operate as an input or output. This hardware flexibility goes even further. In fact, thanks to advanced programming features, you can fully customize each terminal regardless of its configuration as an input or output. Another interesting aspect of FlexIO terminals is the mapping feature which allows you to "relocate" any unused terminals to the peripheral devices (keypads and expansions), in such a way as to make use of every available terminal.

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. Adding SmartLAN/SI and SmartLAN/G boards (both boards are based on Janus technology) to a system makes it reachable and controllable (with the appropriate level of security) from any computer or mobile device connected to the Internet.

Sol

The professional “all in one” wireless alarm system suitable for small commercial and residential premises.

Sol is the new completely wireless professional all-in-one control panel made by Inim. Sol is an easy-to-install, high-design intrusion alarm system capable of fully satisfying all the protection requirements of small residential and commercial premises, even though, thanks to its potential, it is also suitable for more challenging installations. A a modular structure control panel that allows you to manage wireless devices (PIR detectors, dual technology detectors, magnetic contacts, smoke detectors, outdoor sounder/flashers, keypads) by simply adding optional modules: PSTN, GSM, LAN and WiFi modules can be easily inserted into dedicated spaces inside the plastic enclosure where they can be hot-installed for advanced connectivity. The control panel is compatible with all Inim’s wireless devices and also has an on-board relay and 2 additional terminals that allow the connection of detectors or wired devices. The central Sol has refined, low-profile aesthetic design features that make it suitable for all types of surroundings thanks to the 3 types of frontplate: 4.3” colour touchscreen, graphic LCD screen and capacitive touch keypad, LEDs only.

sol

SmartLiving

The first Inim anti-intrusion system for medium-sized residential buildings.

INIM, leader in the intrusion detection and building-automation sector, designs and produces a complete range of security products and services. The use of the most up-to-date technologies allows Inim to offer levels of performance and reliability that are the cutting edge of the security industry. Easy installation, flexibility and programming-power make INIM's intrusion detection and building-automation systems a winning choice for installers. Great attention has been given to the end-user's experience. Operating on the system is trouble-free and fast. INIM proposes hardwired, wireless and hybrid systems that, thanks to their scalability and flexibility, are capable of covering every type of application and every type of installation regardless of its size. Commercial businesses such as small tobacconist and jewellery shops, large shopping malls, business centres, logistics centres, banks, factories and all manner of private residences, from small apartments to mansions, INIM has the intrusion detection and building- automation solution for each of these applications. The SmartLiving system.
The SmartLiving system is INIM's consolidated professional platform for the intrusion detection and building-automation sector, it is particularly centered around the residential and small commercial segment but has performance capabilities that go well beyond the demands of this market segment. SmartLiving is a hybrid system (hardwired + two-way wireless) that allows systems to be expanded by simply adding wireless devices in an easy and cost effective way.

The SmartLiving platform integrates a PSTN communicator on the main board and allows for the addition of GSM (2G and 3G) connectivity through modules connected to the I-BUS.
IP LAN connectivity is instead achieved through the SmartLAN/SI and SmartLAN/G boards.
The SmartLAN/G board makes it possible to receive e-mails and also video-monitoring notifications from ONVIF cameras containing images relating to events that have just happened.
SmartLiving comes ready for the Inim Cloud. The connection to the Cloud is achieved via GSM/GPRS, via LAN or in both ways at the same time in order to have a reserve communication channel always available. The control panel can be managed by App both in peer-to-peer connection and with a connection through the INIM Cloud.
The user App, AlienMobile, allows complete control of the system. From the control of simple on/off functions to more sophisticated building-automation functions such as the dimming of lights and the management of chronothermostats, as well as the very latest real-time notifications function. The end-user can interact with the system in many ways depending on personal preferences.
In addition to the AlienMobile App, the SmartLiving system can be managed via monochromatic graphic keypads, colour touchscreen keypads, remote controls, tags and proximity readers as well as from a web-server. A vast choice that guarantees the satisfaction of even the most demanding users. All models are certified compliant with EN50131 European standards.

SMARTLIVING

EN50131-3
EN50131-6
CEI 79-2
CEB T014

Prime

The Prime finds its natural niche in professional installations that require a top-of-the-range intrusion detection and building-automation control panel. Prestigious residences, banks, industries and shopping malls can benefit from the enormous potential of the Prime platform. Where small residential and commercial applications require advanced functions, Prime is also the best choice. The Prime platform was born connected. All Prime series control panels have built-in LAN connection capabilities. Thus the Prime is already connected to the Inim Cloud with all of its potential and, therefore, is the elected choice for all installations that require IP connectivity and in particular Cloud connectivity. The IP connectivity on the main board ensures fast response when using the AlienMobile App and the Inim Cloud web interface. Extremely fast response times for a truly rewarding end-user experience. Through the AlienMobile App, or via the Cloud web interface or the web-server on the PrimeLAN board, the user can have everything under control.
Arming and disarming operations, on/off operations, lighting management, management of building-automation scenarios, management of chronothermostats and the real-time notifications regarding everything that has happened. Fingertip control at all times by simply tapping on the touch screen of a mobile device or PC. Local system management can be performed through traditional alphanumeric user interfaces, especially useful in industrial environments, or via 4.3” or 7” Alien touchscreen interfaces perfect for residential applications. The end-user can also interact with the system thanks to tags, proximity readers and remote controls. The Prime platform is capable of managing KNX and ONVIF protocols that allow the Prime system to interact with the most widely used building-automation systems and with any IP video surveillance system that is ONVIF compatible. The Prime is a hybrid system (hardwired + two-way wireless). The control panel is hardwired but the simple addition of a BS200 bidirectional transceiver transforms it into a powerful wireless control panel with the highest levels of performance and reliability. Two-way communication, supervision and protection of transmitted information make the Prime wireless sub-system a precious aid to the professional installer. The Prime platform integrates a PSTN communicator on the main board and allows for the addition of GSM (2G and 3G) connectivity through Nexus modules connected to the I-BUS, these modules offer, among other things, IP connectivity and INIM-Cloud connectivity thus guaranteeing, together with the LAN interface on the main board, two communication channels to the Cloud and therefore the availability of a reserve communication channel at all times.
A system that is state-of-the-art from the technological point of view could not be anything but state-of-the-art from a regulatory and certification point of view. All models of the Prime series are certified to Grade 3 of EN50131 European standards and are also certified at the highest level, ATS6, as communication systems compliant to the EN50136 European standard.
The Prime is the platform that allows installers to say “yes” to all the requests of end-users who are steadily becoming more and more demanding. The close integration between building-automation, security and video-verification functions makes it possible to offer the end-user total control of their building through a single system, through a single interface so as to enrich the end-user experience on one hand and simplify it on the other. The Prime: one product for every type and size of installation. The Prime is a control panel dedicated to security professionals. It is a control panel that, thanks to the identified installer mechanism, protects the installer’s professionalism and the added value that he is able to give to the product and the system. The Prime is the choice of the security professional.

PRIME

EN50131-3 Grado 3
EN50131-6 Grado 3 - AT56

Sol

Sol is Inim's new "all-in-one" completely wireless control panel for professionals. This modular control panel manages up to 60 wireless devices and accepts the trouble-free installation of optional modules for extra functions and flexibility. Getting Sol up and running is incredibly quick and simple yet does not relinquish that final touches of the professional installer.

The technology
The on-board QuickGo technology and the use of the InimTech Security App allows quick installation of all the wireless devices via their QR-codes. The Sol, along with SmartLiving and Prime control panels completes our range of intrusion detection control panels and, as always, maintains the reliability and flexibility that distinguish INIM's product line-up. The Sol is intended for security professionals and protects the work of authorized installers by means of highly organized and controlled Sales and Distribution channels.
Maximum connectivity: the Sol comes in a plastic enclosure in which it is possible to "hot-plug" multiple optional modules for truly advanced connectivity: PSTN, LAN, GSM in 2G/3G, WiFi.

You just have to choose
The Sol is connected to Inim Cloud and offers installers and users complete information, easy commands and, unique in its kind, the possibility of being programmed by means of a dedicated Installer App. Obviously, the relevant Sol/Studio programming software is always available.
The Sol is contained in a plastic enclosure and comes in different models to suit all needs. All models have a proximity reader integrated into the frontplate, as well as a microphone, speaker and a high-efficiency piezo siren. The Sol is also equipped with an INIM BUS for the connection of an additional BS200 transceiver for those installations which require extended wireless cover. The BUS also accepts the connection of an additional reader (nBy/S or nBy/X). Additionally, there are 2 freely configurable IN/OUT terminals available, a 12V auxiliary power-supply terminal and a relay.
Sol is a high-design system, with a sleek low-profile appearance that allows it to blend elegantly into all type of surroundings.
An ideal solution for the protection of small residential and commercial premises that, without trouble, stretches to more complex installations.

Models

Sol/S
Frontplate equipped with 7 status/fault signalling LEDs but no keypad.

Sol/G
Frontplate equipped with touch-sense keypad, monochrome LCD screen and 5 status/fault signalling LEDs.

Sol/P
Frontplate equippd with touch-screen keypad, 480x272 pixel colour display and 5 status/fault signalling LEDs.

Technologies

QuickGO Technology

Quick installation and programming via the InimTech Security App with wireless device enrolling by means of QR-codes.

DoubleLink Technology

Bidirectional wireless transmission.

INIM Cloud ready

INIM Cloud connectivity for system management and User and Installer Apps with push notifications.

WideConnect

Expanded connectivity: PSTN, LAN, WiFi and 3G-GSM.

Easy4User

Remote controls, touch-screen keypads, traditional LCD keypads, wireless keypads, AlienMobile App: multiple possibilities for the effective and efficient use of the system.

Technical Specifications

Control Panel
6 models available
2 versions for management of up to 30 or 60* devices: PIR detectors, Dual Technology detectors, magnetic contacts, smoke detectors, outdoor sounder/flashers, keypads
3 types of frontplate: 4.3” colour touch-screen, graphic LCD screen and capacitive keypad, LED
170° frontplate aperture for easy access
Ampoule for precise mounting alignment
Wireless transceiver (868 Mhz)
2 configurable wired terminals for inputs (e.g. for detectors) or outputs (e.g. relay)
1 Relay
Proximity reader integrated into frontplate
Internal piezoelectric sounder
I-BUS terminals for connection of extra transceiver and/or proximity reader
Optional Modules
PSTN: forvoice calls or calls via ARC analogue protocols over hardwired PSTN telephone lines
3G GSM: voice calls, SMS message sending/receiving, analogue and digital ARC protocols, Inim Cloud connectivity, read/write control panel capability
LAN: Ethernet connectivity point-to-point or via Inim Cloud
WiFi: wireless LAN connectivity
SmartLogos30M: 500 voice messages
868 Mhz bidirectional: wireless reception and transmission of alarm signals
Cloud: Inim Cloud platform connectivity
Remote Control
AlienMobile for users: App for remote management of system and push notifications
InimTech Security for Installers: App for quick installation of wireless devices via QR-code and quick programming of basic parameters
SoI/STUDIO, control panel programming software
Push notifications for faults, tamper and much more
Centralized management of each system via Inim Cloud
Bidirectional 868/915 Mhz transceiver: wireless reception and transmission of alarm signals
Cloud: Inim Cloud platform connectivity
Power Supply
1.5A power supply
Backup battery NiMH 7.2V 2.2Ah backup battery
Programmable 12 V DC power-supply terminal

Electrical and mechanical features: SoI030 SoI060*

		SoI-30
Voltage	Power supply	100-240V~ -15% +10% 50/60Hz
	Nominal output	13,8V
Absorption		200mA @220V
Protection Grade IP		30
Enclosure Dimensions (W x H x D)		266 x 197 x 51 mm
Weight		110g
Security Grade	EN50131-3	2
	EN50131-6	2

* To be released shortly

General features

	Sol-30		Sol-30G	Sol-30P		
Partitions	5					
Wireless zones	30			60		
Keypad with LCD screen	0	1	0	0	1	0
Keypad with touch screen	0	0	1	0	0	1
Wireless keypads	8					
Wireless sounder/flashers	8					
Voice slot	1					
Readers	1 on I-BUS and 1 on control panel					
Wireless transceiver	1 on I-BUS (Air2-BS200) and 1 on control panel					
Electronic keys and wireless remote-control devices	150					
Possibility of combination of keys	4294967296					
Sol-3G (GSM/GPRS/2G/3G communicator)	1 (on control panel)					
Sol-PSTN (PSTN interface)	1 (on control panel)					
Sol-LAN (LAN interface)	1 (on control panel)					
Sol-WiFi (WiFi interface)	1 (on control panel)					
Codes	50					
Scenarios	30					
Timers	20					
Recordable events	4000					
Programmable events	30					
Terminals on control panel configurable as inputs/outputs/roller blind/shock	2					

Optional Modules

Sol-Lan/S

Sol-PSTN

Sol-3G

Sol-WiFi

Smatlogos30M

ORDER CODES

Sol-30S	Up to 30 devices, LED frontplate.
Sol-30G	Up to 30 devices, graphic LCD screen and touch keypad.
Sol-30P	Up to 30 devices, 4.3” colour touch-screen.
Sol-60S*	Up to 60 devices, graphic LCD screen and touch keypad.
Sol-60P*	Up to 60 devices, 4.3” colour touch screen.
Sol-Lan/S	Lan/S interface.
Sol-PSTN	PSTN interface.
Sol-3G	GSM 3G interface.
Sol-WiFi	WiFi interface.
Smatlogos30M	Voice board (already in catalogue).

EN50131-3
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SmartLiving

SmartLiving505 | SmartLiving515 | SmartLiving1050 SmartLiving1050/G3 | SmartLiving1050L SmartLiving1050L/G3 | SmartLiving10100L SmartLiving10100L/G3

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 of this system spans from just five terminals with the “505” version, to a hundred terminals with the “10100” version. The five control panel models are certified EN50131-3 Grade 3 and EN50131-6 Grade 2. There are three certified Grade 3 (“G3”) models also for EN50131-6 certification.

Innovative BUS technologies

A particularly interesting feature is the new concept of “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 of “shortcuts” makes system control effortless and greatly simplifies system programming, which is fully piloted by this straightforward interface. Inim’s new-generation I-BUS is the backbone of 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 IB200 bus isolators/regenerators.

SmartLiving505 board

SmartLiving515 board

SmartLiving1050 board

SmartLiving10100 board

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 configured as a "hybrid" system in view of the fact that it is capable of managing both hardwired and "Air2" wireless peripherals. This type of configuration allows it to integrate the new-generation wireless capabilities provided by the "Air2" two-way transceiver. The excellence of connection flexibility offered by the SmartLiving system is yet another of 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 web server offers advanced features such as customizable interactive graphic maps, or the possibility to access ONVIF video verification functions. In addition, all SmartLiving control panels are ready for Cloud connectivity. Through the use of a device as Nexus/G and/or SmartLAN/G or SmartLAN/SI, the SmartLiving panels can access to the revolutionary Inim Cloud service, which allows advanced management functionalities via the web. The connection of the control panels to the Cloud is "plug 'n play", that means that they do not require any configuration on the network on which they are installed. In this way all the control panel management is easily accessible from the web via browser and via app AlienMobile+ for smartphone and tablet. 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.

CONTROL PANELS

EN50131-3
EN50131-6
CEI 79-2
CEB T014

Main features	SMARTLIVING				
	505	515	1050 1050/G3	1050L 1050L/G3	10100L 10100L/G3
Hardware features					
Number of terminals supported by the system	5	15	50		100
Number of terminals available for mapping and relocation	5	15	50		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				
Digital communicator with SIA-IP protocol (options SmartLAN/SI, SmartLAN/G, Nexus/G)	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, nCode/G and Concept/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				
Air2 Wireless Transceivers supported (with automatic channel search)	4	10	20		30
Nexus GSM/GPRS module	1				
Air2 wireless devices					
MC200 and MC300 magnetic contacts, IR100 and XIR200W infrared detectors, XDT200W and DT200T dual tech detectors, FD100 smoke detector	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				
Input 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 Alien, 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				

Main features	SMARTLIVING				
	505	515	1050 1050/G3	1050L 1050L/G3	10100L 10100L/G3
Voice functions on motherboard					
Keypad-to-keypad Intercom (Joy/MAX keypads)	Yes				
Remote Listen-in function with choice of location (Joy/MAX keypads)	Yes				
Additional features through optional devices					
Advanced voice functions with SmartLogos30M board	Yes				
GSM functions with Nexus module	Yes				
GPRS functions and SIA-IP connectivity with Nexus/G module	Yes				
TCP-IP connectivity with SmartLAN/SI board	Yes				
TCP-IP connectivity and web-server function with SmartLAN/G board	Yes				
Remote control from mobile via App with AlienMobile, AlienMobile+ and InimTech Security	Yes				
Cloud functions with Inim Cloud service	Yes				
Other features					
Week-to-week timers (each with 15 “exception” periods) for 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		20		50
Automatic daylight saving time	Yes				
Programmable scenarios (arming configurations)	30				
Shortcuts (one-stroke actions)	38				
Programmable icons	50				
Number of trigger events	410	480	890		1480
Rolling event buffer	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				
Manages Events-Actions matrix	Yes				
Generates “start of” event-related actions	Yes				
Generates “end of” event-related actions	Yes				
Zone test from keypad	Yes				
Programming software runs under Windows	Yes				

• Patent Fending.

Certifications

	505	515	1050	1050/G3	1050L	1050L/G3	10100L	10100L/G3
EN50131-3	Grade 3	Grade 3	Grade 3	Grade 3	Grade 3	Grade 3	Grade 3	Grade 3
EN50131-6	Grade 2	Grade 2	Grade 2	Grade 3	Grade 2	Grade 3	Grade 2	Grade 3

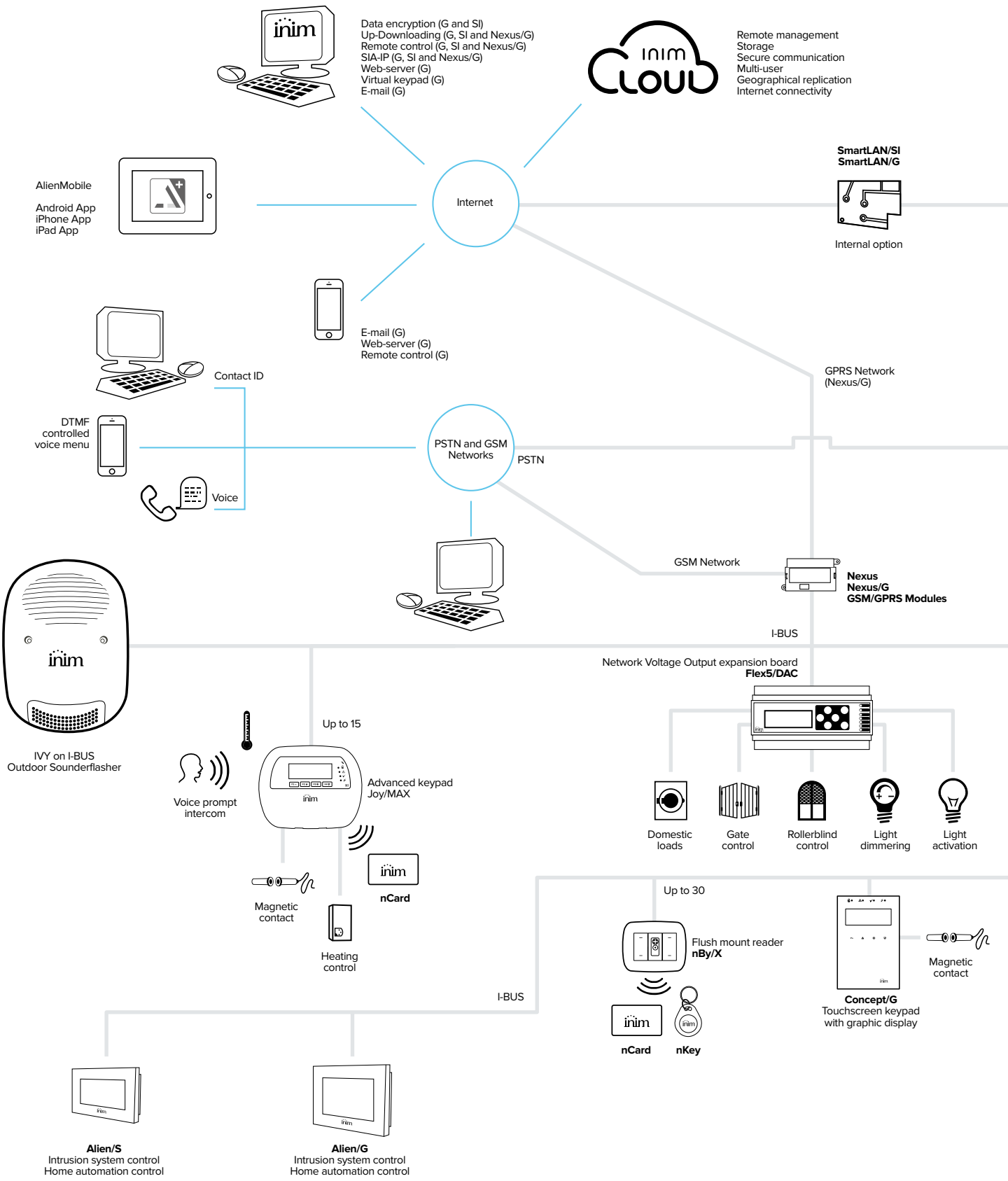
1 The sum of the keypads on I BUS and ARIA/W wireless keypads must be <= 10, 15, 15.
2 The sum of nBy readers on BS200 transceivers and readers on-board Joy/Max, Alien, Aria/HG keypads must be <= 10, 20, 30.
3 The sum of wireless keys and tags must be <= 50, 100, 150

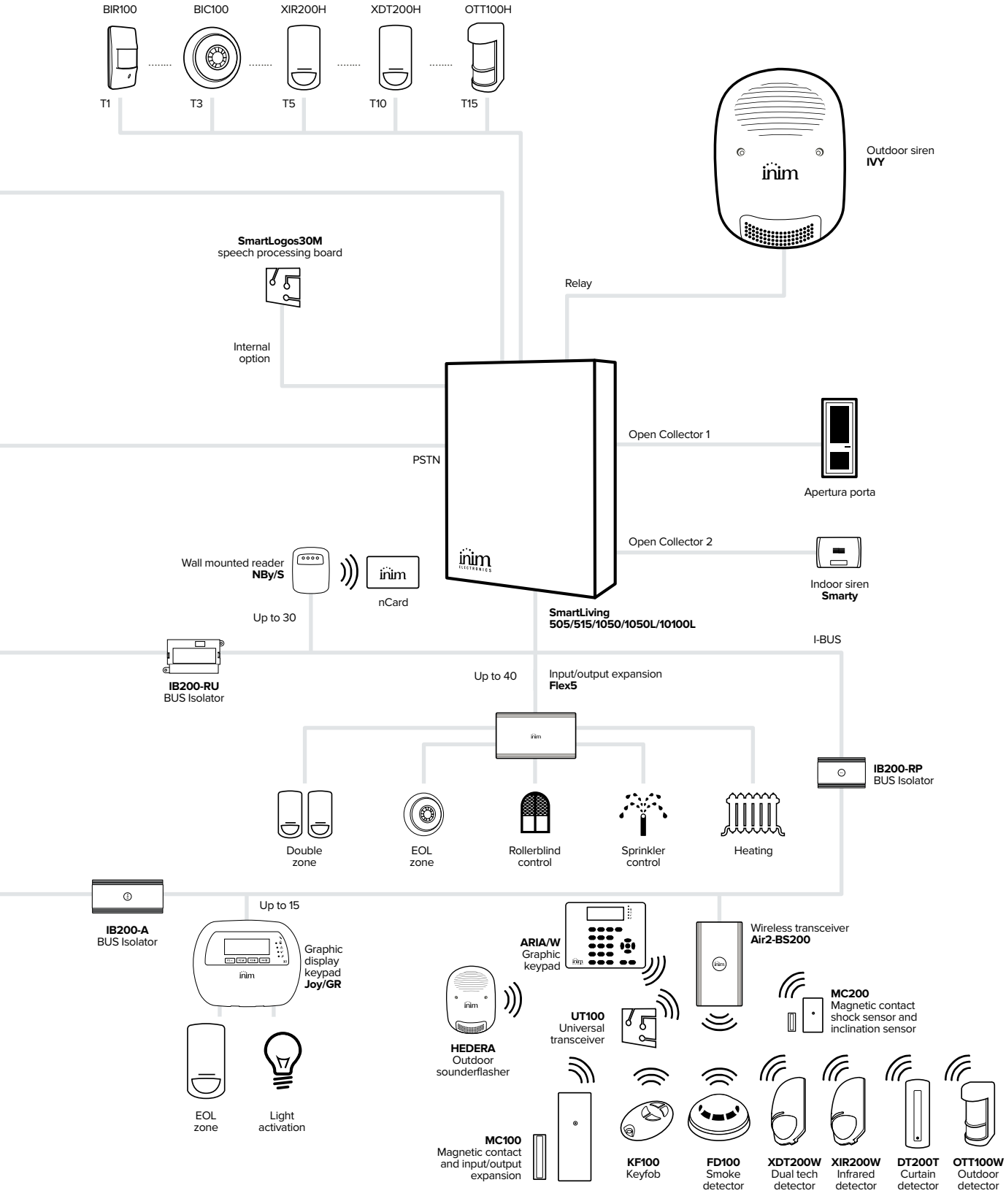
ORDER CODES

SmartLiving505	Intrusion control panel - 5 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving515	Intrusion control panel - 5 to 15 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050	Intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050L	Intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving10100L	Intrusion control panel -10 to 100 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050/G3	Intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP. Certified EN50131-6 grade 3.
SmartLiving1050L/G3	Intrusion control panel - 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP. Certified EN50131-6 grade 3.
SmartLiving10100L/G3	Intrusion control panel -10 to 100 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP. Certified EN50131-6 grade 3.
SLivingMAN-PROG	Programming guide for SmartLiving systems.

EN50131-3
EN50131-6
CEI 79-2
CEB T014

SmartLiving System




BIR100
BIC100
XIR200H
XDT200H
OTT100H
T1
T3
T5
T10
T15
Outdoor siren
IVY
SmartLogos30M
speech processing board
Relay
Internal
option
PSTN
Open Collector 1
Apertura porta
Open Collector 2
Indoor siren
Smarty
Wall mounted reader
NBy/S
nCard
Up to 30
SmartLiving
505/515/1050/1050L/10100L
I-BUS
IB200-RU
BUS Isolator
Up to 40
Input/output expansion
Flex5
IB200-RP
BUS Isolator
Double
zone
EOL
zone
Rollerblind
control
Sprinkler
control
Heating
IB200-A
BUS Isolator
Up to 15
Graphic
display
keypad
Joy/GR
EOL
zone
Light
activation
ARIA/W
Graphic
keypad
Wireless transceiver
Air2-BS200
MC200
Magnetic contact
shock sensor and
inclination sensor
UT100
Universal
transceiver
HEDERA
Outdoor
sounderflasher
MC100
Magnetic contact
and input/output
expansion
KF100
Keyfob
FD100
Smoke
detector
XDT200W
Dual tech
detector
XIR200W
Infrared
detector
DT200T
Curtain
detector
OTT100W
Outdoor
detector

EN50131-3
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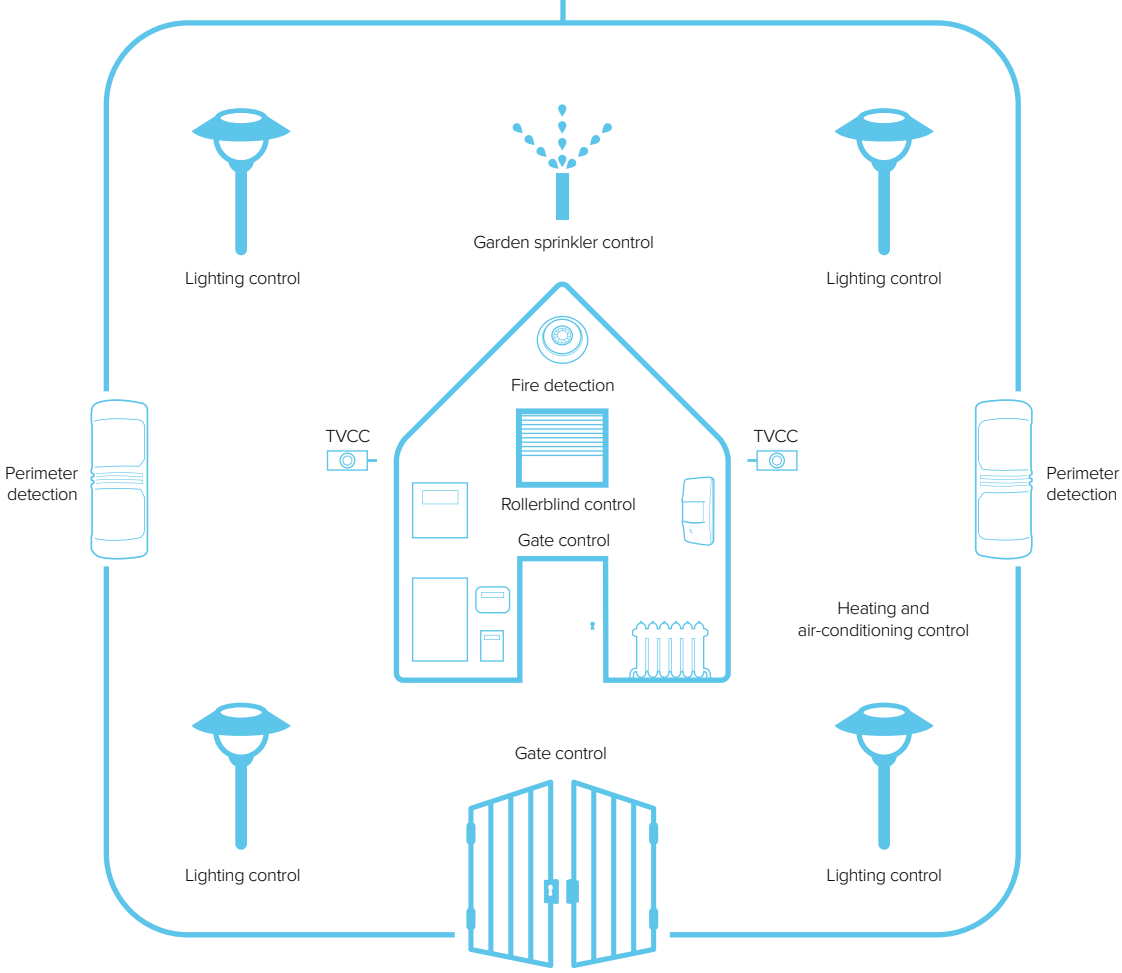
CEB T014

SmartLiving System: home automation the Inim way.

Inim Cloud
Complete remote management of the system via app and web page

Video verification (web-server)
Get access to your IP cameras from any PC or smartphone.



SmartLook
Centralized management software from local and remote locations via the Internet.

livin'home

Virtual Keypad (webserver)
Reach your intrusion and home automation control panel from any PC via the internet.

AlienMobile
Android App
iPhone App
iPad App.

E-mail
Receive emails and attachments from INIM intrusion, home automation or fire control panels on your PC or Smartphone.

VIDEO
Click on the link and view the real-time webcam video.

LAN Network
Internet Network

Alien/S
4.3 inch touchscreen user interface.

SmartLiving
Intrusion and home automation control panel.

Flex5/DAC
Network Voltage Output expansion board

Alien/G
7 inch touchscreen user interface.

Prime

With the Prime control panel, Inim Electronics has created a completely new, all-Italian platform with vast development potential. This cutting-edge product is something completely new on the market and offers an advanced technology that is once again a point of reference in the security sector. The Prime is available in 3 models (60 S - 60 L - 120 L - 240 L) capable of managing from 10 to 240 terminals, from 10 to 30 partitions and up to 4000 events in the memory. The Prime is compatible with all existing Inim I-BUS peripheral devices and therefore allows easy updating of existing systems. It is suitable for all contexts but finds its niche in application areas where customer and installer needs are more demanding. Residential applications, especially medium-high range, as well as commercial and industrial applications are to be counted among the typical applications of the Prime system, especially if connectivity is of primary importance. The Prime is in fact natively managed by Inim Cloud thanks to the network card on board the control panel. So you can just connect the control panel to the installation router and it will automatically reach INIM Cloud, simplifying in a decisive way, and even cancelling, the procedures for connecting the control panel to the external world. Connection to INIM Cloud is not mandatory but guarantees a series of additional services for both the installer and the end user. Both will have Web access and will be able to manage their systems from any browser. In addition to Web access, the Prime allows real-time control and management of installations through Apps dedicated to the installer, InimTech Security, and end user, Alien Mobile. When the control panel is connected to INIM Cloud both Apps are able to provide push notifications to the installer or the end user with content characterization for the two profiles. Integrated LAN connectivity offers additional services such as NTP for automatic date/time updates. Besides LAN connectivity, the Prime offers GSM/GPRS connectivity both for the connection to INIM cloud and for traditional signals (phone calls, SMS). Among the connectivity functions it is necessary to mention the PSTN interface on the motherboard that guarantees the sending of voice calls, and calls to traditional surveillance stations.

The Prime integrates a usable USB interface on the motherboard, as the LAN interface, for programming and monitoring of the control panel. Prime control panels are able to detect and manage a large number of events, not only alarms but also faults, tamper, code/key recognition and arming operations, in response to which it can activate visual/audible signals or messages (voice, telephone calls, SMS, e-mails with attachments or push notifications).

The Prime provides automation functions such as programmed arm/disarm operations, chronothermostats and activation and deactivation of outputs. Management of the outputs is enhanced by the possibility of dimming the 230Vac loads. The Prime also has an optional LAN board, Prime/LAN, with webserver functions, graphic maps, e-mail and ONVIF video surveillance that make it even more complete. The Prime guarantees certified safety at maximum level. The system complies with EN50131 Grade 3 and with EN50136 ATS-6: the highest grade also as an alarm communication system. It should be noted that thanks to its contextual user interface and persistent-alarm block, the Prime makes operations much easier for the end user.

Control

- Firmware upgradeable in safety mode.
- Prime/STUDIO dedicated programming software (for Identified Installer only).
- Guided user menu in the event of an alarm.
- Text driven programming menu (for Identified Installer only).
- InimTech Security Installer App: push notifications, geolocation of control panels and faults, multicontrol-panel and multiplatform.
- AlienMobile User App: push notifications for security management and home automation.
  Peer-to-peer or multicontrol-panel and multi-platform Cloud management.

Connectivity

- Integrated on-board LAN connectivity with Inim Cloud services, DHCP, NTP and AES encryption.
- PSTN, GSM, GPRS, 3G connectivity with voice, digital, SMS dialler.
- Cloud connection via GPRS/3G and LAN with backup channel management.
- PrimeLAN board with webserver functions, graphic maps, e-mails, ONVIF video monitoring and KNX management over IP.
- Simultaneous transmission of events on Inim Cloud and other available PSTN, GSM channels.

Functionality

- Voice functions: intercom, voice mailbox, guided menu, local dialler, environment listen-in.
- Home automation functions: lighting control with dimmer, chronothermostat, management of rollerblinds and motorizations, analogue outputs, timed activations.
- Management of intrusion-control and home-automation scenarios.
- Video verification through infrared detector with XVI300H camera (from version 2.0).

Prime

- 3 models: 60 S - 60 L - 120 L - 240 L.
- From 10 to 240 terminals.
- Up to 30 partitions.
- Simultaneous management of wired and wireless devices.
- Up to 4000 event memory capacity.
- EN50131 Grade 3 compliance for each model.
- Integrated LAN and USB interface.
- Compatibility with I-BUS devices.
- Metal enclosures for power supplies up to 6A.

Prime system motherboard

CONTROL PANELS

Main features	PRIME			
	60 S	60 L	120 L	240 L
Hardware features				
Maximum number of terminals in the system and number of mappable or relocatable terminals in the system[3]	60**		120**	240**
On-board terminals (which can be configured as input/output)	10 (10)			
Programmable relays on the main board	Yes			
Programmable open-collector outputs on the main board	2			
Programmable 12V outputs	2 (AUX 1, AUX 2)			
Manageable partitions	10		20	30
Integrated IP connectivity	Yes			
Integrated SIA-IP digital communication standard	Yes			
Housing for Flex5 expansion board in the enclosure	Yes			
Housing for NEXUS device in the enclosure	Yes			
Power supply: maximum current for the system (battery not included)	2.5 A	5 A		
Power supply: maximum current for battery recharge	1.2 A			
USB port	Yes			
Battery-charge monitored by battery temperature sensor	Yes			
Battery efficiency check	Yes			
AlienMobile and AlienMobile+ User Apps for smartphones or tablets (Android/iOS)	Yes			
InimTech Security Installer App for smartphones or tablets (Android/iOS)	Yes			
Cloud functions with Inim Cloud services	Yes			
Reprogrammability of control panel firmware	Yes			
Battery compartment	Yes			
Dimensions (HxWxD)	27,5x37,4x8,6 cm	37,5x46,6x9,2 cm		
Weight (without battery)	5 Kg			
Devices on I-Bus				
Peripheral self-learning on the I-Bus	Yes			
Keypads Joy, Concept, Alien/S, Alien/G, AirHG[1]	10		15	
NBy proximity readers	20		30	
Flex5 5-terminal expansion boards	40			
Ivy Sounderflashers	10			
Air2 - BS200 transceivers (with automatic channel search)	20		30	
Nexus communicator	1			
Air2 wireless devices				
MC200 and MC300 magnetic contacts, IR100 and XIR200W infrared detectors, XDT200W and DT200T dual technology detectors and FD100 smoke detectors[3]	60		120	240
ARIA/W wireless keypad for each BS200[1]	4			
HEDERA wireless sounderflasher for each BS200	4			
Remote control keyfobs (KF100, KF-Pebble, KF-Ergo)[2]	100		150	
Authentication				
Installer codes	2			
User codes (with associated timers)	50		100	
nKey tag or nCard proximity card (with associated timers)	150			
Telephone communication				
Telephone numbers	15			
Integrated Cloud channel	Yes			
Phone line availability check	Yes			
Automatic voice communicator (SmartLogos30M option, see also voice functions)	Yes			
Integrated automatic digital communicator (ContactID, SIA-IP, pulse)	Yes			

** Total number obtained by adding up the hardwired terminals and the wireless terminals

Main features	PRIME			
	60 S	60 L	120 L	240 L
Input terminals (zones)				
Self-learning of zone balancing •	Yes			
Management of two separate zones on each input terminal	Yes			
Input terminals on the control panel for shock and roller blind sensors	10			
Input terminals on keypad for shock and roller blind sensors (2 for Joy and Air/HG, 1 for Concept)	2 for Joy and Aria/HG, 1 for Concept			
Input terminals on expansion board for shock and roller blind sensors (out of 5 available as input/output)	4			
Thresholds of programmable input zones	Yes			
Calibration of input thresholds •	Yes			
				• Patent pending.
Additional functions with optional components				
Advanced voice functions with SmartLogos30M board	Yes			
GSM functions with Nexus, Nexus/G and Nexus/3G modules	Yes			
GPRS functions and SIA-IP connectivity with Nexus/G and Nexus/3G modules	Yes			
Web-server, e-mail, ONVIF cameras, KNX IP standard with PrimeLAN board	Yes			
Other features				
Weekly timer with two time slots per day (each with 15 exception periods)	20			40
Manual, daily and weekly programmable thermostats with antifreeze feature (Joy/MAX, Alien/S, Alien/G, Air/HG)	10		15	
Programmable events with timer and counter management	30		50	60
Management of summer/winter time	Yes			
Automatic date/time update with NTP	Yes			
Programmable arming scenarios (settings for partition status and output status)	30			50
Types of shortcuts for immediate actions	38			
Programmable icons	80			
Number of events that can generate actions	2830			
Events that can be stored in the register	4000			
Choice of events to memorize	Yes			
Management of shortcuts via function keys (12) and number keys (10) on Joy, Air/W and Air/HG keypads	Yes			
Management of shortcuts via LEDs (4) on nBy readers	Yes			
Event-based action generation matrix	Yes			
Generation of action when the event occurs	Yes			
Generation of action when the event restores	Yes			
Zone test from keypad	Yes			
Programming software operates in Windows environment	Yes			
Certifications				
EN50131-3	Grade 3			
EN50131-6	Grade 3 - AT56			

1 The sum of the keypads on the I-BUS and ARIA/W wireless keypads must be <= 10, 15, 15.
2 The sum of the remote-control keyfobs and tags must be <= 100, 150, 150.
3 The sum of the hardwired and wireless terminals must be <= 60.120, 240.

ORDER CODES

PRIME060S Anti-intrusion control panel from 10 to 60 terminals, 10 partitions, 3.7A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3 Grade 3.

PRIME060L Anti-intrusion control panel from 10 to 60 terminals, 10 partitions, 6.2A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3 Grade 3.

PRIME120L Anti-intrusion control panel from 10 to 120 terminals, 20 partitions, 6.2A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3 Grade 3.

PRIME240L Anti-intrusion control panel from 10 to 240 terminals, 30 partitions, 6.2A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3.

PrimeLAN Ethernet interface for connection to the Internet with TCP/IP protocol, e-mail sending and web-server function and digital communicator with SIA-IP standard.

Cert. No. 911k

EN50131-3
EN50131-6
CEI 79-2
CEB T014

Alien/G and Alien/S

Touchscreen user interface

Alien/SB

Alien/GN

Alien, the touchscreen user interface the security market has been waiting for. Alien is the maximum in simplicity and clarity, two things always present in the minds of installers and end-users alike. It delivers an easy-to-use, intuitive interface for fast selection, interactive input and much more. Alien offers a self-explanatory operating concept with a leading edge. All writing is large and well-defined and the icons leave no doubt as to the functions they refer to. Moreover, its advanced solution portfolio is capable of showing users the easiest way of dealing with anomaly, alarm or fault signaling. So, users will never be confused because Alien, with its clear and understandable instructions, will guide them effortlessly through every situation.

Above all, Alien integrates automation and security. Just a fingertip touch on the display arms, disarms or bypasses parts of the system or even activates the pre-programmed scenarios. With the greatest of ease users can access advanced information regarding the status of the system objects (zones, outputs, etc.) and the memory of events. Graphic management is truly captivating and up to the minute. In fact, it is very similar to that of some the most prestigious smartphones currently on the market. And, like smartphones, Alien offers users a vast array of options to meet their personal tastes and requirements. Alien provides three skin options (Young, Elegant or Soft) and allows users to customize the background. Besides display brightness and contrast control, Alien offers transparency adjustment for a more interesting graphic effect. The integrated microphone and speaker application offers a variety of voice functions, for instance, a voice guide for arm and disarm operations, a system event announcer and room to room intercom capabilities for intercommunication in large buildings or homes. In addition to the voice functions, Alien has an on-board proximity reader and a sensor for room-temperature readings.

The temperature sensor permits display of the room temperature and management of the chrono-thermostat function (in manual, weekly or anti-freeze mode). The proximity reader allows access to the system by means of TAGs or CARDs thus eliminating the need of code entry. The “graphic maps” application on the Alien user interface, allows you to control and interact with the system by working directly on the layouts or images that represent the various environments. The installer has the possibility to configure a number of graphic maps, each made up of a background image capable of containing 20 objects. The objects can be associated with a set of icons (modifiable) that represent their real-time operating status thus allowing immediate verification of the condition of the system.

Alien allows you to navigate through different graphic maps in

order to generate the desired hierarchy. The Alarm clock/Reminder application helps you to remember appointments and important events and gives a helping hand to the memory challenged, such as the elderly, by keeping track of things day to day. It provides two distinct event types: the Alarm event which allows you to set time and day of the week, and the Reminder event which can be programmed on a day-of-the-week basis with two time settings or specific date with two time settings and various periodicity.

Alien even has a 32GB SD card slot for storage of photos and images which can be scrolled in photo-frame mode.
Alien can be programmed through related panel programming software. What is more, Alien has a USB interface which can be used when programming the SmartLiving panel Alien is connented to.
The interface between the Alien touchscreen and the control panel is achieved through INIM's traditional I-BUS thus making Alien suitable for use with all models in the Inim intrusion panel range.

Alien/SN and Alien/GB

Graphic maps on Alien/SN and Alien/GB

Main features

	Alien/S	Alien/G
Display size	4.3 inches	7 inches
Colours	65.000	65.000
Resolution	480x272	800x480
Touchscreen	Yes	
Protection	Removal or Dislodgement with Micro-electromechanical technology	Yes
Input/Output terminals	-	2
USB interface	Yes	
SD card interface	Yes, up to 32 GB	
Photo frame function	Yes, with SD card images	
Customizable backgrounds	Yes	
Skin selection	Yes	
Alarm clock/Reminder application	Yes	
Interactive and customizable graphic maps	Yes	
System interface	I-Bus	
Standard backbox mount	Yes	-
Flush mount	-	Yes
Dimensions (HxWxD)	81x131x17 mm	143x219x34 mm (143x219x17 mm for flush mounting)
Weight	160 g	520 g

ORDER CODES

Alien/SB 4.3 inch colour touchscreen interface on I-Bus. White casing.
Alien/SN 4.3 inch colour touchscreen interface on I-Bus. Black casing.
Alien/GB 7 inch colour touchscreen interface on I-Bus. White casing.
Alien/GN 7 inch colour touchscreen interface on I-Bus. Black casing.

EN50131-3
CEI 79-2
CEB T014

Inim keypads

Joy/GR Joy/MAX

Concept/GB

nCode/GN

The keypad plays a major role in every intrusion-control system. It is the appliance which users deal with daily, therefore, ease of use is essential. Additionally, it is also part of the furnishings and must blend in perfectly with its surroundings. INIM keypads do just that. They skilfully combine first-rate technical features with an elegant design which flatters even the most exacting backdrop requirements. The sleek casing and slimline key assembly considerably reduce overall size without giving way to reduced manageability. The explicit display icons clearly indicate the “Shortcuts” that transform normally time-consuming sequences into simple keystroke commands through the 4 function keys. Following is a description of the features provided by the Joy, nCode/G and Concept/G keypads.

Joy series keypads

Joy series keypads come in light-coloured casings with keypad-protecting down flips. These attractive keypads provide 4 on-view “Shortcut” keys which also work as “Emergency key duos”. The Joy series keypads are primary Easy4U technology components thus allow users to take full advantage of the “Shortcuts” and voice functions. The two models differ only in potential. The Joy/MAX has several important enhancements, for example, the on-board microphone and speaker unit for voice functions. The Joy/MAX keypad is capable of guiding users through operations by means of voice prompts. These prompts steer users through operations with ease and pilot every step of arm/disarm operations. The voice functions also provide notification of events which occur on the system and consent to keypad to keypad intercom connections. The Joy/MAX keypad is also equipped with a reader and a room-temperature sensor (shown on the display). The temperature sensor also functions as a thermostat for room-heating control which can be set in manual, weekly, anti-freeze mode. The built-in reader allows users to access the system using a Tag or Card instead of typing in a code. Both models are equipped with two input/out terminals and dislodgement and open-tamper protection devices.

Concept/G keypads

This effective key-free system management tool makes it much easier for end-users to interact with their security systems.
The super bright, intuitive touchscreen permits fast access to all functions and consents to trouble-free control of the security system. The certainty of the superior technology embedded in this product is immediately apparent. Touchscreen control offers unbeatable accuracy and enhances reliability. The easy-clean, glossy black casing with its attractive vertical structure allows this product to blend seamlessly with any décor. 4 “Shortcut” keys, located directly under the graphic display, allow easy control of the system and also operate as “Emergency key duos”.
The Concept/G keypad is equipped with an input/out terminal and dislodgement and open-tamper protection devices.

nCode/G series keypads for Prime

nCode/G series keypads have glossy black or white casings with an attractive vertical profile. The polished contour of this keypad conveys the certainty of the superior technology inbuilt in this product. The keys are always conveniently on view to ensure fast access to all functions. The 4 "Shortcut" keys, directly under the graphic display, allow easy control of the system and also operate as "Emergency key duos". The nCode/G keypad is equipped with an input/output terminal and dislodgement and open tamper devices.

Main features

		nCode/G	Concept/G	Joy/GR	Joy/MAX
Backlit graphic display		Yes	Yes	Yes	Yes
Easy4U icon interface		Yes	Yes	Yes	Yes
Easy4U voice interface		-	-	-	Yes
Programmable "In Standby" backlight		Yes	Yes	Yes	Yes
Programmable "Active" backlight		Yes	Yes	Yes	Yes
4 signalling LEDs		Yes	Yes	Yes	Yes
FlexIO terminals programmable as Inputs or Outputs		1	1	2	2
Input terminals accept rollerblind sensors		Yes	Yes	Yes	Yes
Output terminal		Yes (150mA)	Yes (150mA)	Yes (150mA)	Yes (150mA)
Signalling Buzzer		Yes	Yes	Yes	Yes
Protected against break-open tamper (casing open)		Yes	Yes	Yes	Yes
Protected against break-off tamper (unit off wall)		Yes	Yes	Yes	Yes
Flush mount to gang boxes		Yes	Yes	Yes	Yes
Microphone and speaker:	User menu voice prompts Message recording Message playback Intercom Answerphone Voice notifier Remote Listen-in	-	-	-	Yes
Card/Tag reader with 4 programmable "Shortcuts"		-	-	-	Yes
Access to "Shortcuts" on TAG or CARD		-	-	-	Yes
Temperature sensor with temperature display		-	-	-	Yes
Chronothermostat function (manual, weekly, with anti-freeze function)		-	-	-	Yes
Dimensions (HxWxD)		129x87x16,5 mm	129x87x16,5 mm	116x142x20 mm	116x142x20 mm
Weight		135 g	155 g	160 g	180 g

ORDER CODES

Joy/GR	Keypad with backlit graphic display for SmartLiving system control.
Joy/MAX	Keypad with backlit graphic display with built-in card reader, microphone, loudspeaker and temperature sensor for SmartLiving system control.
Concept/GN	Keypad with backlit graphic display and touch keys for SmartLiving system control, in black enclosure.
Concept/GB	Keypad with backlit graphic display and touch keys for SmartLiving system control, in white enclosure.
nCode/GN	Keypad with backlit graphic display for Prime system control, in black enclosure.
nCode/GB	Keypad with backlit graphic display for Prime system control, in white enclosure.

EN50131-3
CEI 79-2
CEB T014

nBy series

Proximity readers

The proximity reader is the easiest way to interact with the Inim control system. By simply holding a tag or card in the vicinity of the reader it is possible to control the system.
The proximity reader is particularly useful when arming or disarming the system or specific partitions. However, it can also be used to control remote appliances such as doors or lights, or even to trigger “groups of actions” associated with specific “Shortcuts”.
INIM offers two models: the Wall-mount nBy/S, and the Flush-mount nBy/X. The Wall-mount nBy/S has been especially designed to merge with various types of residential and commercial surroundings. Its stylish appearance and reduced size make it totally backdrop-friendly. The Wall-mount nBy/S is equipped with break-open and break-off tamper protection and a warning buzzer (used by the control panel to provide audible signals). Moreover, on account of the mechanical solutions employed and the heavy-duty enclosure, the Wall-mount nBy/S model is IP34 rated and therefore is suitable for outdoor use. The Flush-mount nBy/X is a gem of electronic and mechanical engineering. Every day installers are faced with new-style cover plates. Different sizes, shapes and even colours appear regularly, yet in spite of this over-provision it is still difficult to find the right reader for the cover plates used at the place of installation. INIM’s R & D professionals decided to accept the challenge and solve this problem.
And now, thanks to their brilliant perception of installer company needs, INIM is able to offer a “Universal” solution that integrates proximity readers with all makes of cover plates.
With the Flush-mount nBy/X the problem of reader-compatibility with cover plates does not exist. Both wall and flush mount models are equipped with four LEDs which can be associated with Arming “Scenarios” (Arming configurations) or “Shortcuts” (actions which transform normally time-consuming sequences into single action commands). It is also possible to program a tag or card with a customized “Shortcut” that is valid for a specific tag or card user only.
The Proximity Reader system can be controlled by tags or cards.

nKey

nBoss/N and n/Boss/R

nCard

wall-mount
nBy/S reader

nBy/X universal flush-mount nBy/X reader
(patent pending)

Example of flush-mounted nBy/X

Main features

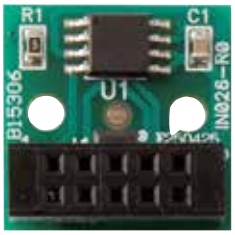
	nBy/S	nBy/X	nKey	nCard	nBoss
Dimensions (HxWxD)	80x64x17 mm	50x19x51 mm	35x28x6 mm	54x85x1 mm	85x29x4 mm
Weight	45 g	25 g	5 g	6 g	15 g

ORDER CODES

nBy/S Reader RFID wall mount.
nBy/X Universal flush mount nBy/X reader.
nKey Plastic tag for RFID readers - nBy series.
nCard Card for RFID reader - nBy series.
nBoss/N Tag in black leather for nBy proximity readers.
nBoss/R Tag in red leather for nBy proximity readers.

SmartLogos30M

Voice board for Inim intrusion control panels



To really appreciate the vast array of exceptional voice functions offered by the SmartLogos30M board, you have to see it in operation with a Inim system. Although small, this board packs a concentrate of superior technology and unique features that are hard to find in today's intrusion control systems.
Even the numbers relating to the main features of this tool give some idea of its capabilities. In fact, the SmartLogos30M board provides 30 minutes of voice transmission which can be allocated to as many as 500 voice messages. And, all you need to do is type-in the contact telephone numbers and the SmartLogos30M-equipped panel will be capable of sending 400 factory-recorded messages. After that, simply change the "names" of the system elements and you will have a customized system. Customization can be done at the keypad, using the voice programming function or via a computer. In the latter case, the solutions are truly state-of-the-art. You can either record a message through the computer microphone, or extract a .wav file from an archive and send it to the control panel.
SmartLogos30M also offers a text-to-speech function which allows you to record messages by simply typing-in the respective text and generating the voice message through the computer.
Other interesting functions are the Voice menu over-the-phone and Voice menu on-keypad that guide the user through all operations with ease. The voice prompts are already on board and require no programming, you just need to set up the menu (separately for each user). This method eliminates all the difficulties connected with normal voice recording. In fact, the system generates the voice menu automatically, using the selected pre-recorded messages.
In this way, the menu is extremely effective and allows users to interface with the system with ease, whether they are at a keypad or connected to the control by means of a cell phone.
Access to the voice menu from remote locations during calls to and from the control panel (respectively during query/command calls and event report calls).
The combination of the SmartLogos30M potential and VoIB technology allows the Inim system to provide an intercom function which allows users to contact and talk to each other from different parts of the building (warehouse to office, garage to house, etc.).
The SmartLogo30M also provides a memo box where the user can leave messages. Thanks to the SmartLogos30M, the Inim system is capable of warning the system users of events as they occur.
This is useful when it is necessary to inform the user of faults, or to warn the user to leave the protected area after an arming operation, or to warn them to disarm the system after violation of a delayed input zone (during Entry Time).
SmartLogos30M is far more than a simple "voice board". It is a concentrate of technology and easy-to-use advanced functions.
SmartLogos30M, as many other elements of the Inim system allows installers to stand out from the rest and to lead the way.

Main features	
Up to 30 minutes of voice-message time	Yes
Recordable voice messages (of which pre-recorded)	500 (400)
Automatic-Answephone function (customizable)	Yes
Voice-memo slot (one message for 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
Dimensions (HxWxD)	20x20x15 mm
Weight	10 g

ORDER CODES

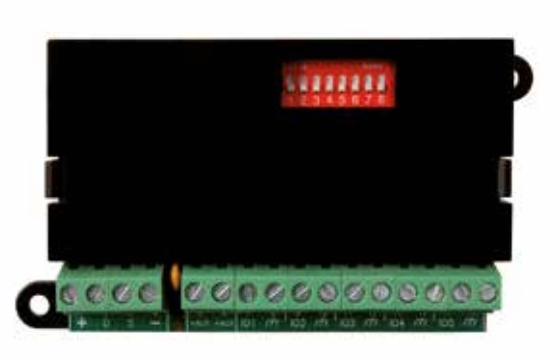
SmartLogos30M Voice board for Inim control panels.

EN50131-3
CEI 79-2
CEB T014

Flex5

Input and Output expansion board

Flex5/P



Flex5/U

The Flex5 expansion board increases the number of inputs (zones) or outputs available on the Inim system. The board receives commands and power via the I-BUS. The power supply to the device and the two ancillary power outputs are protected against short-circuit and overload. The Flex5 expansion board has 5 terminals which can be used as either zones or outputs. If programmed as inputs, terminals 1 to 4 directly accept shock and rollerblind sensors. If programmed as outputs, these terminals can sink 150mA.
The Flex5 expansion board has a built-in signalling buzzer which can be activated separately from the terminals.
The device is protected against break-open and break-off tamper (these protections can be disabled if necessary).

Main features	Flex5/P	Flex5/U
Terminals	5	
Terminals which accept shock and rollerblind sensors	4	
Maximum current draw for output terminals	150mA	
Resettable fuse protects bus load current draw	300mA	
Ancillary power supply	2	
Integrated Buzzer	Yes	
Protected against break-open tamper	Yes	-
Protected against break-off tamper	Yes	-
Dimensions (HxWxD)	80x126x27 mm	59x108x20 mm
Weight	106 g	67 g

ORDER CODES

Flex5/P Input and output expansion board with tamper protection.
Flex5/U Input and output expansion board with terminals on-view.

Flex5/DAC

Network Voltage Output expansion board

Flex5/DAC allows full control of domestic loads. Among these, appliances such as washing machines, dryers, ovens and dishwashers. The Flex5/DAC also allows control of other household facilities such as lighting and switches. For these facilities, the Flex5/DAC allows the adjustment of brightness thus providing perfect management of those household scenarios where illumination is a determining factor. The board also allows control of the phase displacement between the current and voltage of each individual output, in such a way as to control any inefficiencies in the electrical distribution system.
The simultaneous management of several outputs by the Flex5/DAC also permits light colour adjustments.

Main features	
Output terminals programmable as Relay, Triac ON/OFF or Dimmer	5
Operating range in AC	110-230V 50-60Hz
Maximum current draw for each output	cos φ=1 10 A (Relay); 3,5 A (triac ON/OFF and dimmer)
I-BUS Interface	Yes
Electrical quantity measurement for each output (max and rms)	Current, Voltage, Power
Power factor measurement (cos φ) for each output	Yes
Anti-opening protection	Yes
DIN rail mount	9 module enclosure
Dimensions (LxWxD)	88x158x58,5mm
Weight	300g

ORDER CODES

Flex5/DAC 5 output dimmer expander, 230V.

IB200

I-BUS Isolators

IB200/P IB200/U IB200/A

The BUS is the “backbone” of the system. It transmits all the data from the control panel to the peripherals and viceversa: therefore, maximum reliability is always required. To help installers achieve this goal, INIM offers several BUS isolator versions. In the simpler versions, IB200/P and IB200/U, the isolator protects and regenerates the BUS data signals. In the more complete version, IB200/A, the isolator protects and regenerates the BUS data signals and the power supply. The isolator allows the confinement of problems caused by malfunction on a downstream branch to that branch only, thus not allowing malfunctions to affect the upstream branch.

The detectable malfunctions are:
- Short circuit between the BUS and the power cables
- Tamper/BUS or power supply cable cutting
- Application of the 220V mains voltage to the BUS or power supply cables (only for the IB200/A version and in the configuration without jumpers for IB200/U and IB200/P versions).

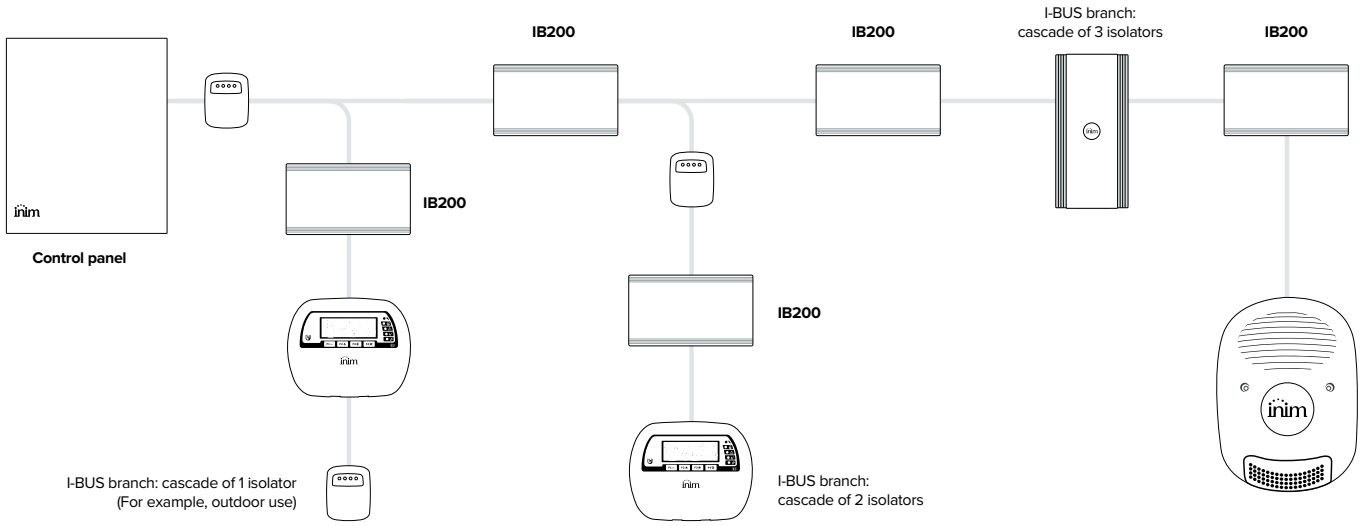
The IB200/A and the configuration without jumpers of the IB200/P and IB200/U are very useful when it is necessary to protect peripheral devices located in unprotected areas against vandalism. If a device is damaged and BUS functionality is compromised, the isolator, once properly installed within the protected area, will guarantee the proper functioning of the rest of the system. The isolator also makes it possible to extend the BUS length thanks to the signal regeneration function. The fundamental feature of the isolators, which affects their sizing, is the length of the line they must reproduce the signal of and which is therefore upstream of the insolator itself.

Following is a table containing indicative values of this length, depending on the BUS speed, for a typical cable (4x0.22 + 2x0.50 mm):

I-BUS speed	Length of section	No. isolators in cascade
38.4 kbps	500 m	9
125 kbps	350 m	6
250 kbps	200 m	2

The lengths indicated here can be identified both with the length of the cables, in the case of a single line, and also with the sum of the lengths of all the lines upstream of the insulator.

Example:



Main features	IB200/U	IB200/P	IB200/A
Galvanic isolation of data (D, S)	Yes	Yes	Yes
Regeneration of data signals (D, S)	Yes	Yes	Yes
Tamper signalling	-	Yes	Yes
Address Programming (for FW upgrade)	Yes	Yes	Yes
Galvanic supply isolation (+, -)	Configurable	Configurable	Yes
Regeneration of BUS supply voltage	-	-	Yes
Regenerated BUS supply voltage	-	-	13.8 Vdc
Maximum regenerated current	-	-	1000 mA
Permitted range of input voltage	9.5 – 15 Vdc	9.5 – 15 Vdc	9.5 – 15 Vdc
Dimensions (HxWxD)	59x108x20mm	80x126x27mm	171x80x27mm
Weight	60 g	100 g	170 g
Permitted interval of input voltage	-	-	8-16Vdc
Dimensions (HxWxD)	59x108x20 mm	80x126x27 mm	171x80x27 mm
Weight	65g	100g	170g

ORDER CODES

IB200/U BUS isolator with data regeneration and on-view terminals.
IB200/P BUS isolator with data regeneration and tamper protection.
IB200/A BUS isolator with data and power-supply regeneration and tamper protection.

Ivy

Self-powered and on Bus

The IVY series self-powered sounder/flasher units are a stylish, highly efficient way of rounding off an intrusion control system. Easy to program and even easier to install, these units boast unmatched features and performance.
The external heavy duty cover swings down on easy-to-free hinge projections (located on the both sides of the backplate) to provide a practical tool ledge. A metal inner-shroud protects all the components and reinforces the casing. New-generation Light-Emitting-Diode technology provides super-bright flasher signals and allows extra-low power consumption. The units also provide two status LEDs, positioned at the sides of the flasher. The sounder can be programmed to generate different audible signals, thus allowing users to identify different types of alarms and/or locate the place of alarm. The units offer many programmable parameters for maximum application flexibility, such as: Maximum alarm time, Input polarity, Flash frequency per minute, Trigger signal, etc. Two models are available: Standard and BUS. In the “Standard” model alarms are triggered by power cut or by the activation of the ancillary START input. The “BUS” model connects to the Inim BUS and is supervised and managed by the control panel. This direct-connection approach greatly simplifies wiring and system programming. In addition, it consents to the activation of event-related signaling (different signals for different events) programmed through the control panel.
The BUS connection allows the control panel to supervise tamper, low-battery and fault signals and also the battery and input-voltage levels. All units are equipped with a test circuit that allows them to spot and report fault conditions instantly to the control panel. They are also protected against dislodgement, forced opening, wire cutting and blow torch tamper.
The Ivy/F model has an extra foam-tamper protection provided by the internal infrared circuitry of the loudspeaker.
The system structure provides maximum rejection of false alarms.
The IVY series Sounder / Flasher units are also available in a “metal look” version.

Main features

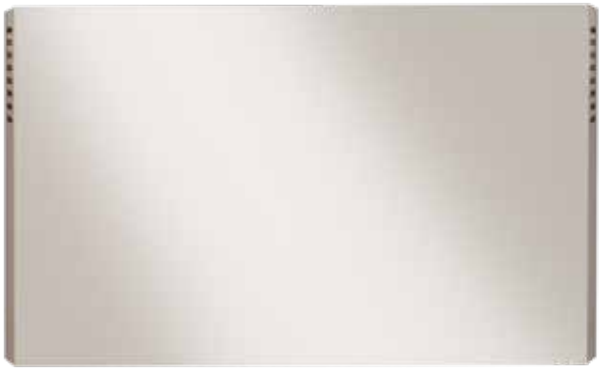
	Standard model	"BUS" model
Power supply	13,8Vdc	13,8Vdc (from I-BUS)
Alarm trigger	Power input	On BUS, with characteristics in accordance with the event
Ancillary trigger input	START input	On BUS
Alarm lock for maintenance	STOP input	On BUS
Ancillary signal LED trigger	LED input	On BUS
Fault signal	FAULT output	On BUS
Tamper signal	Relay with voltage-free contact	On BUS
Separate audibe and visual signaling	-	Yes
Volume adjustment	-	Yes
Power-voltage reading	-	Yes
Battery-voltage reading	-	Yes
Temperature reading	-	Yes
Dislodgement and Open-casing tamper protection	Yes	Yes
Blow-torch tamper protection	Yes	Yes
Foam tamper protection ("F" model only)	Yes	Yes
Metal inner-shroud	Yes	Yes
Super bright LED technology flasher	Yes	Yes
On-unit sounder/flasher parameter programming	Yes	Yes
Sound emission @ 3m.	103dBA	103dBA
IP34 rating	IP34	IP34
Dimensions (HxWxD)	288x207x106 mm	288x207x106 mm
Weight	2,7 Kg	2,7 Kg

ORDER CODES

Ivy Self-powered sounder/flasher for outdoor installation.
Ivy-F Self-powered sounder/flasher for outdoor installation with foam-tamper protection.
Ivy-M Self-powered sounder/flasher for outdoor installation, metal look.
Ivy-FM Self-powered sounder/flasher for outdoor installation with foam-tamper protection, metal look.
Ivy-B Self-powered sounder/flasher for outdoor installation with BUS interface feature.
Ivy-BF Self-powered sounder/flasher for outdoor installation with foam-tamper protection and BUS interface feature.
Ivy-BM Self-powered sounder/flasher for outdoor installation, metal look with BUS interface feature.
Ivy-BFM Self-powered sounder/flasher for outdoor installation with foam-tamper protection, metal look with BUS interface feature.

NRB100

in stainless steel



The NRB100 self-powered hornstobe is a highly efficient, heavy duty signalling device housed inside a stainsteel enclosure.
A microprocessor continuously monitors all the device parameters and ensures high reliability and high-rate performance.
Separate horn and flasher activation inputs provide maximum application flexibility. Horn signalling is managed by two piezoelectric elements which generate 110dBA @ 3m. NRB100 is capable of signalling open enclosure and dislodgement tamper on an output contact which providess 7 different balance modes. The NRB100 is also equipped with an LED input which provides an ancillary signal inside the device.

Main features	
Operating voltage	13.8Vdc
Power voltage and alarm activation input	Yes
Alarm trigger input (B)	Yes
Flasher trigger input (F)	Yes
LED trigger input for ancillary signal (LED)	Yes
Programmable input polarity	Yes
Tamper signal contact with programmable balance resistance	Yes
Dislogdement and Open-enclosure protection	Yes
Piezoelectric horns	Yes
4 programmable tones	Yes
Battery test circuit	Yes
Parameter programming menu	Yes
Sound output	110dBA @ 3m
Protection rating	IP34
Housing for battery	12V 2.1Ah
Dimensions (HxWxD)	203x293x52 mm
Weight without battery	1.5Kg

ORDER CODES

NRB100 Self-powered hornstobe in stainless steel for outdoor installation.

Smarty

Indoor siren

Italian design, Italian technology, Italian style.
With Smarty there is no losing out on performance.
Italian quality at the best price.
The Smarty is fully microprocessor-controlled to ensure excellence in performance.
Uses piezoelectric sounder and super bright LED-tecnology flasher. A direct move towards superior signalling features and low power consumption.
The device is tamper protected, and provides a sounder-shutdown input which allows the flasher to continue signalling.

Main features	
Power supply	13.8Vdc
Current draw (max)	130mA
Sounder- modulation/shutdown input	Yes
Open-enclosure tamper protection	Yes
LED technology flasher (“G” version only)	Yes
Piezoelectric sounder	Yes
Sound output	110 dBA @ 1 m
Light intensity	25lux @ 1 m
Dimensions (HxWxD)	75x112x30mm
Protection rating	IP31
Operating temperature	0°C to +50°C
Weight	110 gr

ORDER CODES

Smarty/SIB Indoor siren, white color, 12Vdc powered.
Smarty/GIB Indoor siren with flasher, white color, 12Vdc powered.
Smarty/GFR Indoor siren with flasher, red color, 24Vdc powered.

EN50131-3
CEI 79-2
CEB T014

Nexus, Nexus/G and Nexus/3G

Devices for 2G and 3G connectivity

Nexus/3GU

Nexus/3GP

Devices from the Nexus series are in no way just ordinary devices for connecting to cellular networks, quite the opposite, as they offer excellence in performance and integrate perfectly with the INIM anti-intrusion systems. Their installation is simple: they connect to the BUS just like any other device and can be installed either on the control panel or in any placement that can be reached by the BUS so as to increase signal reception quality. Once connected to the control panel, they provide a supplementary communication channel that backs up the PSTN line of the control panel. The communication channel generated by the Nexus allows users to send voice or digital calls over the GSM/3G network and, thanks to the voice menu with DTMF commands, respond to incoming calls (for enabled users). With Nexus, control panels can send automatic or customizable SMS messages for each event and also receive commands sent via SMS. As a result, it is possible to enable or disable scenarios and outputs, request the status of the device and much more. The same operations are also possible after recognition of caller numbers that belong to a predefined list (Caller ID). Nexus G and Nexus/3G go even further. These devices allow the Teleservice features (over GPRS or Cloud connection). The communications with alarms receiving centres are made possible by means of the most widely used protocols, including SIA-IP standard (for Nexus/G and Nexus/3G). Nexus/G and Nexus/3G allow both the installer and the user to access the Inim Cloud and peer-to-peer services; they can be used both as a main device or as a backup device in the event of the loss of the hardwired LAN connection. A service-enabled SIM card is required to connect to GPRS/3G networks. It is advisable to check the mobile tariffs of various providers in order to choose the most suitable. Nexus/3G is the evolution towards the new communication networks in 3G technology. Moreover, where practicable, it allows the management of communications in an even more efficient way: it can route voice calls, send SMS messages, notify alarm receiving centres and exchange data with the Cloud simultaneously. The NEXUS/3GP model is completely protected in its own casing and is equipped with batteries that, in the event of BUS disconnection or power failure, allow the device to send the programmed signals autonomously.

Main Features	Nexus ***	Nexus/G **	Nexus/3GU *	Nexus/3GP *
Voice communicator over GSM network	Yes			
Digital communicator over GSM network	Yes			
Sends pre-set and editable SMS texts for each event	Yes			
Activates control panel scenarios via SMS text message	Yes			
Activates control panel scenarios via Caller ID (200 numbers)	Yes			
Command done SMS text or ring feedback	Yes			
Diverts incoming SMS texts	Yes			
PSTN and GSM channel priority management for each event	Yes			
Answerphone functions and DTMF command management	Yes			
Device status viewable on system keypad	Yes			
Automatic control of remaining credit	Yes			
Emergency report via voice, digital and SMS text communication	Yes			
GPRS connectivity	-	Yes		
3G connectivity (HSPA)	-		Yes	
IP communicator to alarm receiving centres supporting SIA-IP protocol	-	Yes		
Inim Cloud Connectivity	-	Yes		
Dimensions (HxLxD)	59x108x20 mm		68x108x23 mm	110x193x27 mm
Weight	60 gr		82 gr	180 gr (without batteries)

*** GSM / ** GSM/GPRS / * HSPA-2G FALLBACK

ORDER CODES

Nexus I-BUS integrated GSM/GPRS module for Inim control panels.
Nexus/G I-BUS integrated GSM/GPRS module for Inim series control panels.
Nexus/3GU 2G and 3G GSM module integrated on I-BUS with on-view terminals.
Nexus/3GP 2G and 3G GSM module integrated on I-BUS with buffer battery.

PrimeLAN

Web server with AlienMobile interface

Web server - graphic maps

Web server - ONVIF video surveillance

Reception of emails from Prime (Prime/LAN)

Today's global connectivity extends throughout both large corporate organizations and private residential premises. PrimeLAN, the optional connectivity-upgrade board for Prime systems, adds information to communications via a simple plug-in assembly that provides a client software capable of managing exclusive functions. It can send a detailed email for each individual event complete with any attachment (contained in an SD card) in the body of the message, without the need of using Inim Cloud functions. The message may also contain links to sites or IP devices such as an NVR or a webcam. The autonomous generation of a Web server, with "AlienMobile interface", provides control via tablet, smartphone or PC by simply using an Internet browser. The PrimeLAN manages interactive graphic maps that allow control and interaction with the system, by operating directly on floor plans complete with active icons for the management of activations or remote commands. Also supported are JPEG and MJPEG streaming from preset ONVIF webcams addressed to video verification. It autonomously supports the sending of notification emails, complete with pre-trigger and post-trigger images related to the event. An integrated remote PTZ (pan/tilt/zoom) function makes it possible to locate any position within the camera sweep.

Main features	PrimeLAN
Encryption of AES-128 bit data	AES-128 bit
Connection over 10/100 Base T Ethernet LAN	Yes
Static IP address management and DHCP	Yes
Dynamic DNS management	Yes
Management of multiple simultaneous connections	up to 10
Digital communicator with SIA-IP protocol for alarm receiving centres	Yes
Sending of emails with attachments and SSL support	Yes
UPnP	Yes
Web server for PC, tablet and smartphone connections with the following functions: - Virtual keypad with AlienMobile interface - Scenario management - Zone management - Partition management - Customizable interactive maps - ONVIF webcam • Live webcam management • Sending of email/archive webcam events - Timer visualization - Events log visualization	Yes
Dimensions (HxWxD)	54x81x30 mm

ORDER CODES

PrimeLAN LAN interface for web-server, email and ONVIF surveillance.

EN50131-3
CEI 79-2
CEB T014

SmartLAN/G

Ethernet board with web-server

Webserver with AlienMobile user interface

Web server - graphic maps

AlienMobile App

Web server - virtual keypad

Web server - ONVIF videoverification

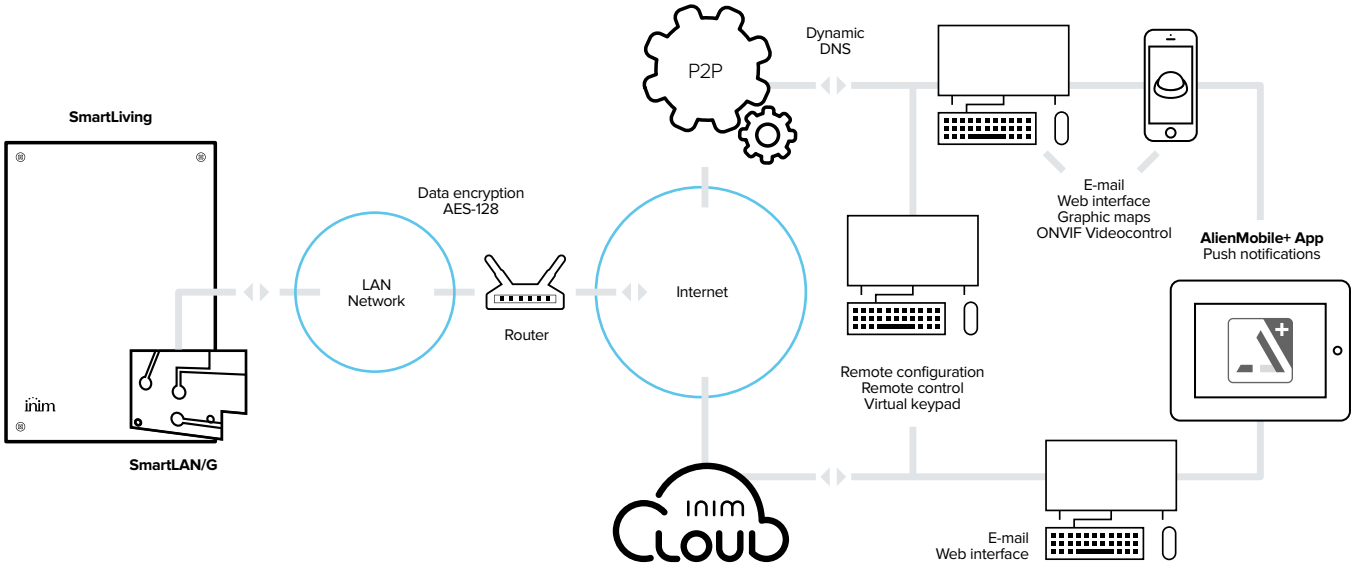
E-mail received from SmartLiving

Connectivity and accessibility are two fast-developing concepts which have overflowed from the professional world into the habitats and personal lives of the majority of people. Access to the Internet is no longer a prerogative of business organizations but is also an established reality in most private and household environments. The SmartLAN/G optional board use the Internet to provide SmartLiving systems with first-rate connectivity capabilities and communication features. All SmartLiving control panels are IP connectivity capable. The board mount easily to the control-panel motherboard. The SmartLAN/G (albeit an interface) safeguards the control panel against rogue access by using a rigorous encrypting process which provides the system with a high level of security. Furthermore, in order to keep network administration simple, SmartLAN/G board is equipped with user-friendly software for easy-management of the dynamic IP addresses. The system-on-chip platform used in the SmartLAN/G accessory board provides point-to-point networking capability and fast connectivity to the Internet. Therefore, it is possible to set up a remote connection and program or control the system via the SmartLeague software application, or perform supervisory operations via the SmartLook software, either locally (LAN) or remotely (Internet). In effect, the SmartLAN/G board grants the same level of access to the system as a local RS232 connection. SmartLAN/G provides the SmartLiving system with a digital communicator towards alarm receiving centres that support SIA-IP protocol. This feature allows alarm receiving centres to receive information in real-time through IP connectivity with many advantages in terms of cost and performance. Thanks to SIA-IP protocol, SmartLAN/G represents an alternative or integration to traditional PSTN connectivity towards alarm receiving centres. But the SmartLAN/G board also provides other more advanced remote-access and communication functions. The SmartLAN/G board is capable of sending event-related e-mails automatically. Each e-mail can be associated with a subject, an attachment and a text message. The attachment can be of any kind and is saved to an SD card. The message text can contain direct links to domains or IP addressable devices, such as a security cameras. In addition to e-mails, the SmartLAN/G board offers users global access to their control panels via any Internet browser accessed through a PC, tablet or smartphone. In fact, the SmartLAN/G has an integrated webserver capable of distinguishing the means of connection and as a result provides an appropriate web-page for the tool in use. The SmartLAN/G webserver adopts the AlienMobile user interface, which is a replica of the Alien keypads. This is a great advantage for the user, who finds an immediately recognizable environment, where is possible to do any desired operation instantly without having to learn new commands and navigation paths. The interface shows a modern and attractive design, fits all display sizes and has vertical/horizontal auto-adjustement. Smartphones, tablets and PCs can control the system in much the same way as a household keypad, from inside the house or from any part of the world. Controlling the system from this virtual keypad is quick and easy as it is an exact replica of the one the user has on their real system, allowing users to manage partitions and zones, view the timers, events log and much more. The SmartLAN/G web server provides a virtual keypad that allows users to interact directly with their control panel and system keypads from anywhere in the world. The SmartLAN/G provides graphic map capabilities which, starting from a background image, allows the creation of interactive maps with buttons and customizable icons that identify the objects in a clear and simple way and thus allow intuitive interaction with the system. The inter-map connection function allows you to build a tree structure for fast navigation through the various maps.

Moreover, the SmartLAN/G offers support to JPEG and MJPEG streaming for webcams used for video verification purposes. The SmartLAN/G is capable managing ONVIF cameras. This capability allows the SmartLAN/G to use various presets for each camera in accordance with the alarm type and, when required, attach to the notifying e-mail, the pre-trigger and post-trigger images relating to the notified event.

The web server also allows remote management of PTZ cameras. Both user and installer codes can access the system. This feature provides installer companies with trouble-free access to all their systems, and allows operators to view/change the connected control-panel parameters via Internet without the need of any specific INIM software application. SmartLAN/G, finally, gives full access to the functions of the SmartLiving system also through the AlienMobile App for smartphones and tablets. The use of SmartLAN/G provides full access to Inim Cloud services.

SmartLAN/G equipped SmartLiving system



Main features	SmartLAN/G
Plug-in mounting to motherboard	Yes
Encrypted data	AES-128bit
Connection to LAN Ethernet 10-100 Base T	Yes
System programming and control over IP using SmartLeague software	Yes
Static IP address management	Yes
Dynamic DNS management	Yes
Multi-connection management	Up to 10
Inim Cloud Connectivity	Yes
SIA-IP protocol digital communicator	Yes
Sends e-mails with attached files and SSL support	Yes
SD card connector	Yes
Attached files saved to SD card (not included)	Yes
Manages SD card memory	32GB
Network time synchronization	Yes
UPNP	Yes
Web server functions for PCs, Tablets and Smartphones: - Virtual keypad with AlienMobile user interface - Scenarios management - Zone management - Partition management - Interactive and customizable maps - ONVIF webcams: • Live webcam management • Video event list/email - View timer option - View events log option	Yes
Manages AlienMobile App	Yes
Dimensions (HxWxD)	54x81x30mm
Weight	40g

ORDER CODES

SmartLAN/G Ethernet interface for connections to the Internet via TCP/IP protocol, sends e-mails, provides web-server function and SIA-IP protocol digital communicator.

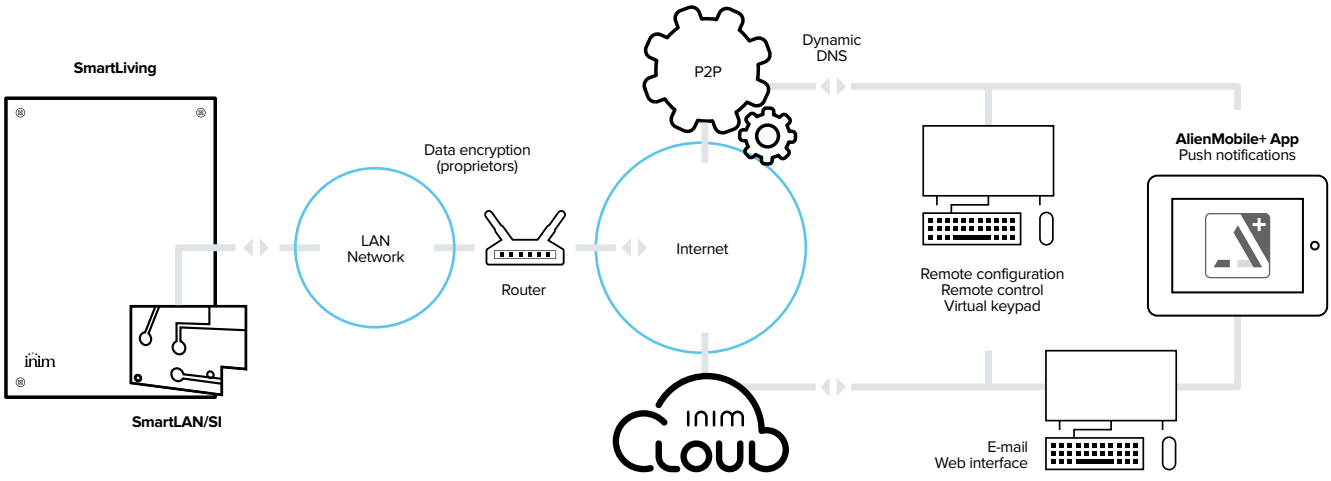
EN50131-3
CEI 79-2
CEB T014

SmartLAN/SI

Ethernet board

For those who do not require particularly advanced remote control capabilities but are interested in providing the SmartLiving control panel of simple connectivity features, INIM also offers a basic version of SmartLAN, the SmartLAN/SI. This optional board makes available the remote programming and supervision functions from the local network and the Internet (using the SmartLeague and SmartLook softwares), the digital communicator toward the alarm receiving centres with SIA-IP protocol, the remote access via the AlienMobile app. The use of SmartLAN/SI provides full access to Inim Cloud services.

SmartLAN/SI equipped SmartLiving system



Main features	
Plug-in mounting to motherboard	Yes
Encrypted data	Proprietor
Connection to LAN Ethernet 10-100 Base T	Yes
System programming and control over IP using SmartLeague software	Yes
Static IP address management	Yes
Dynamic DNS management	Yes (for DNS)
Multi-connection management	-
Inim Cloud Connectivity	Yes
SIA-IP protocol digital communicator	Yes
Sends e-mails with attached files	-
SD card connector	-
Attached files saved to SD card (not included)	-
Manages SD card memory	-
Web server functions for PCs, Tablets and Smartphones: Virtual keypad with AlienMobile user interface / Scenarios management / Zone management / Partition management / View timer option / View events log option	-
Manages AlienMobile App	Yes
Dimensions (HxWxD)	54x81x30mm
Weight	45g

ORDER CODES

SmartLAN/SI Ethernet interface for connections to the Internet via TCP/IP protocol, provides SIA-IP protocol digital communicator.

AlienMobile and AlienMobile+

Smartphone and tablet application for remote management of Inim systems

The current technological panorama is populated by an ever more attentive average user with regard to mobile connectivity and interactivity. Nowadays, users perceive smartphone and tablet Apps as being the quickest and easiest way of accessing content, information and functions. It is within this framework that INIM developed the AlienMobile App, which fully satisfies the need for an application that delivers 360 degree connectivity for Inim systems. The AlienMobile App allows users to manage Inim systems by simply entering intrusion-control/home-automation commands on their mobile devices, regardless of the time of day or where they happen to be. The configuration of AlienMobile with the control panel is simple and straightforward. By presenting the same interface as the Alien touchscreen and SmartLan/G webserver, INIM completes a coordinated ecosystem of interfaces which allow the user to navigate in an immediately recognizable environment with familiar, easy-to-use commands. The AlienMobile App fits different screen sizes, automatically control screen rotation horizontally or vertically and has a smart up-to-the-minute design. The App is available in two versions: AlienMobile (totally free), which allows the management of an installation with its basic functions, ideal for those who have not special needs or complex systems, and AlienMobile+, with all features available and really complete capabilities. It offers a complete set of functions that, with a few finger taps and swipes, allows users to arm/disarm the intrusion control system, access customized scenarios, make status enquiries, access the events log, switch on air-conditioning, sprinkler systems and lights and much more. The application allows easy management of Inim systems. Thanks to its multi-system management capabilities, it is possible to control and interact with many control panels, without limitations. This means you have thoroughgoing control of all the systems in use (house, office, factory premises). AlienMobile+ offers the chronothermostat function, that allows control of up to 15 thermal zones - and also manages security cameras. It allows interaction with security cameras and control of movement, it provides a multi-viewing function (up to 4 security cameras at once) and is capable of being associated with various security cameras on assorted Inim systems. SMS management allows the synchronization of messages configured in the control panel and their forwarding as commands via App. But there's more. With AlienMobile+ users can access the Inim Cloud services, by obtaining so the possibility to receive push notifications related to alarm, faults, arming/disarming and connection status. Connecting to the Cloud is simply done by using the user ID and password used for accessing the Inim Cloud. AlienMobile and AlienMobile+, with their interface with large, intuitive, easy-to-use icons, are available on Google Play for Android Systems and on App Store for iPhone and iPads.

Main Features	AlienMobile	AlienMobile+
Manages Scenarios	Yes	Yes
Manages Zones	Yes	Yes
Manages Partitions	Yes	Yes
Home Automation Commands	Yes	Yes
Control panel management	Cloud and P2P	Cloud and P2P
Number of control panels	Unlimited	Unlimited
Chrono-thermostat function	-	Yes
Security Cameras management	-	Yes
Commands via SMS	Yes	Yes
Push notifications	-	Yes (with Inim Cloud)

Alien Mobile **Alien Mobile+**

Get it on Google play

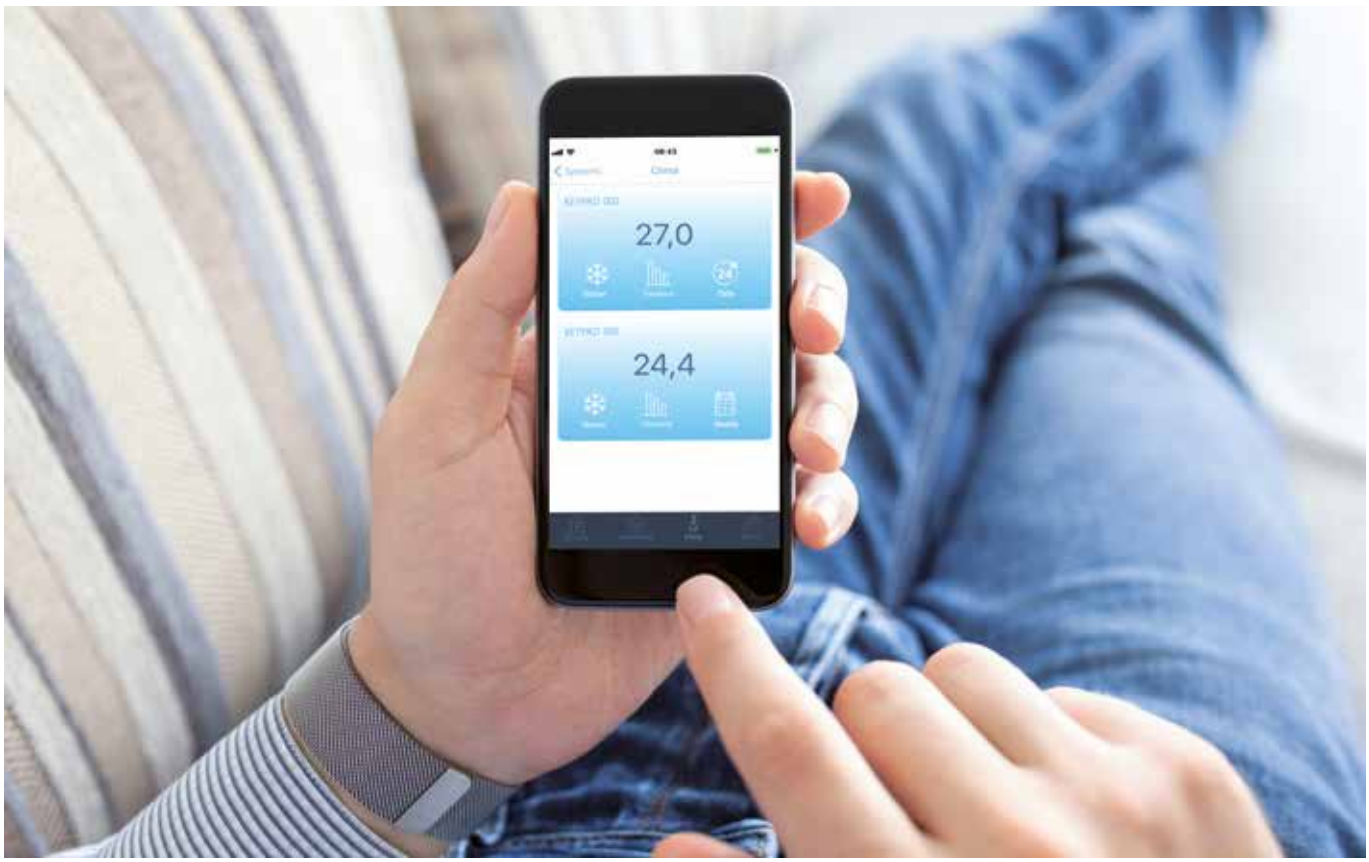
Available on the App Store

InimHome

Users App

InimHome is the App dedicated to the end user for remote control of their home and any other property via smartphone or Tablet. Worthy heir to the AlienMobile user App, InimHome offers the same much appreciated home-automation and anti-intrusion features as AlienMobile, yet with a more intuitive interface and a completely renewed experience of use. This upgrade comes from the alliance of Inim with renowned designers in the sector of user interface design and renewed experience of use. InimHome offers optimized use of multiple functions: from arming/disarming operations, switching on/off appliances, adjusting air climatization units all the way through to the new feature of immediate video verification of events through ONVIF cameras. Available for free download on App Store and Google Play, InimHome opens the door to the future of the truly smart home.

Main features	
Arming scenarios management	Yes
Output scenarios management	Yes
Partitions management	Yes
Home automation controls	Yes
Comandi domotici	Yes
Control panel management	Cloud and P2P
Number of manageable control panels	Unlimited
Chronothermostat function	Yes
Camera managemen	Yes
Video verification	Yes
Push notifications	Yes (with Inim Cloud)



InimHome

Available on the App Store

Get it on Google play

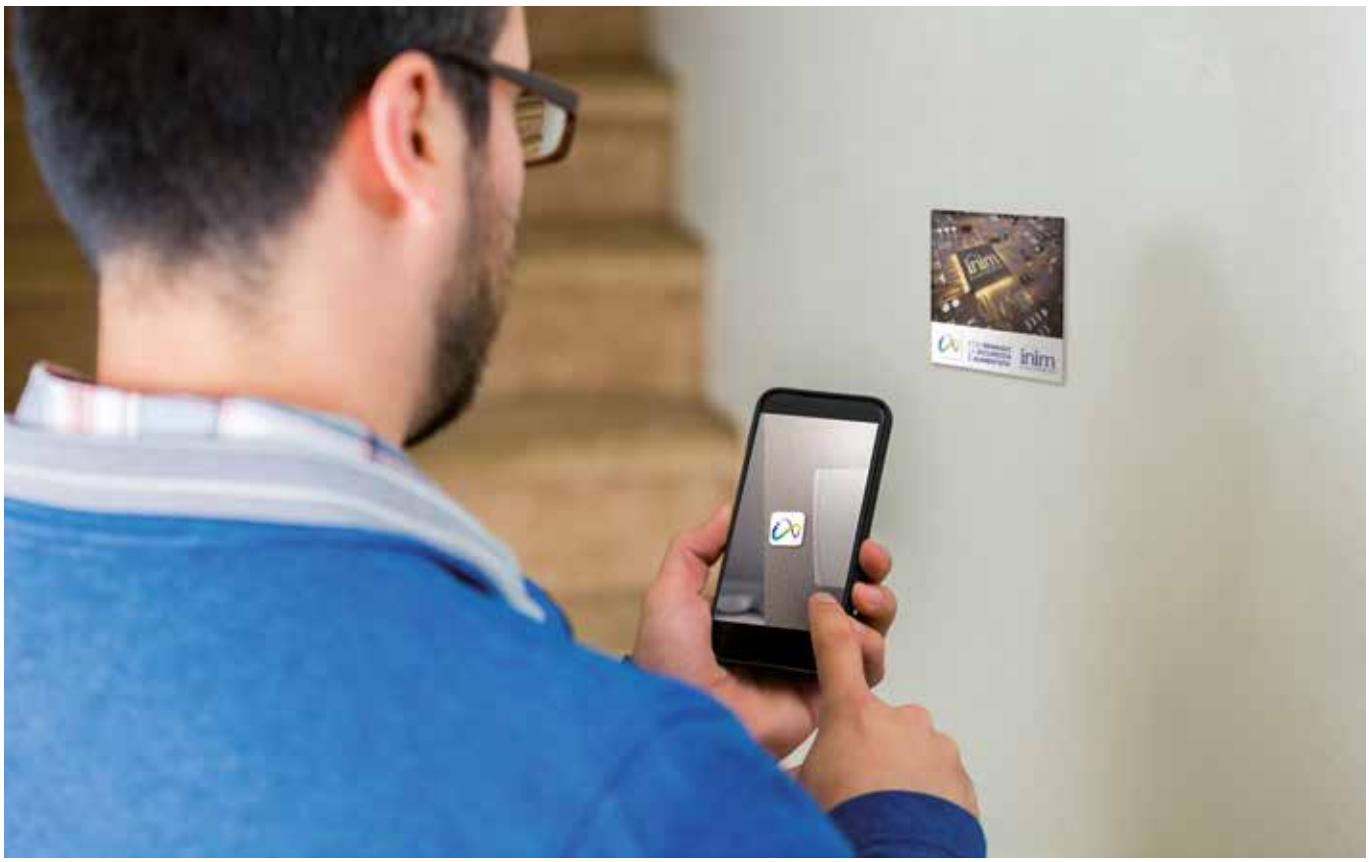
IniMagic

App

IniMagic is an Augmented reality App for smartphone and tablets that allows the virtual visualization of Inim products inside the site. This App allows the installer or Inim system designer to show the customer the aesthetic appearance and size of a product, directly there and then. This makes IniMagic a very effective sales tool as it lets the customer preview and get the virtual feel of a product as if it were already installed. From a keypad to a detector all the way through to an emergency lamp, every Inim product comes to life with the IniMagic App. To activate the augmented reality just open the App and frame the relative marker, printed on paper. IniMagic is available for free download on the App Store and Google Play.

Advice on the correct use of the marker

1. Start the IniMagic App on your smartphone (or tablet).
2. Frame the marker through your smartphone camera.
3. Choose the product category and select the desired product.
4. Focus your smartphone camera directly on the marker for precise image scanning.
5. Visualize the product in Augmented Reality.
6. Drag the product with your finger if you want to position it differently.
7. Rotate your smartphone to view the product from every angle.



Advice for the correct use of the marker

- Download the marker from here for free: **http://www.ekasrl.it/inim/inimMarker_12x12cm.jpg**
- Print it in real size 12cm x 12cm on thick paper.
- Place the marker in a well-lit position.
- Focus your smartphone camera directly on the marker for precise image scanning.

Get it on Google play

Available on the App Store

InimTech Security

Installer App

InimTech Security is an application designed exclusively for installers. It is designed to provide the installer with a trouble-free way of administeringing customers and installations from any smartphone or tablet and, more generally, of managing everything that can be dealt with via the InimCloud portal as well as some other very interesting features.

List of faults and alarms

After logging in, the installer will be able to see at a glance the presence of any faults or alarms. Alarms can either be stored or calls can be sent to the customers concerned in order to make arrangements for on-site technical intervention.
Push notifications will inform the installer at all times of any faults even when the App is closed.

New Installations

Once a control panel has been enrolled, it must be associated with a customer. A list of all the installations to be associated can be found in the new installations register. It is possible to associate an installation with either a new or existing customer via the InimTech Security App. During the association phase of the control panel and customer, it is possible to indicate where the system is located, so as to take advantage of the geolocation services that InimTech Security makes available.

Total Customers

The customer register. It is possible to add, modify or delete customers. After selecting a customer from the contact list, as well as being able to call, send an e-mail or associate an image, InimTech Security also allows the installer to view all the installations associated with the selected customer and, for each installation, view all the peripherals, events, partitions and configured zones and outputs.

Map

The user will be able to see at a glance any installations that require maintenance or technical intervention.
The map, centered on user's current position, displays all the "nearby" installations. However, it is possible to drag the map and view installations that are further away. This service is integrated with turn-by-turn navigation software, so as to be able to find the selected installation without any trouble.

Installer Profile

The details of the installer are retained and shown in the installer profile, it is also possible to add an image.

The INSTALLER ID, the code that uniquely identifies the installer within the Inim services, is also shown here.

InimTechSecurity Android

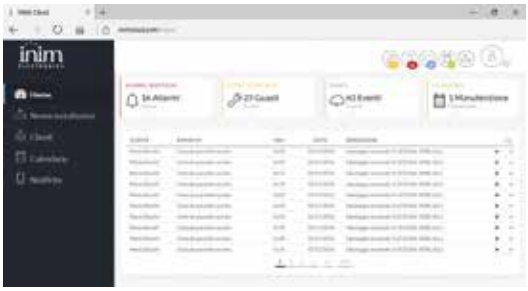

InimTechSecurity iOS


Get it on Google play

Available on the App Store

InimTech Security is available free of charge for smartphones and tablets, both iOS and Android.

Inim Cloud



The Cloud is a computing infrastructure that offers potentially unlimited resources, born of the ever increasing need to manage data from anywhere: at home, at work or on holiday. The Cloud is already an integral part of the lives of everyone. Purchases, bank transfers, reservations, virtually every online transaction now uses Cloud capabilities. It is an established reality that is often entrusted with things of considerable value. And the advantages are numerous:
“Self-service”: users can request services directly without the intervention of data infrastructure managers or service providers.
“Global access”: services are accessible from multiple devices and from different places at all times.
“Heterogeneous”: guarantees access via mobile phones, tablets, small desktop computers or large enterprise servers.
“Elasticity and scalability”: resources can be adapted to suit user needs.
“Secure”: both intrinsically secure in terms of total data protection, encryption and resistance to cyberattacks, and operability secure in regards to availability, storage redundancy, network providers, electricity and geographic redundancy.
“Multi-user”: resources are shared, synchronized and available to all users at the same time.

The Inim Cloud is a pioneering service provider both for the innovative features it offers and for its performance at the highest levels of professionalism and efficiency. The Inim Cloud has been especially developed and designed to manage the latest technologies available. All these resources guarantee maximum reliability and a unique user experience.

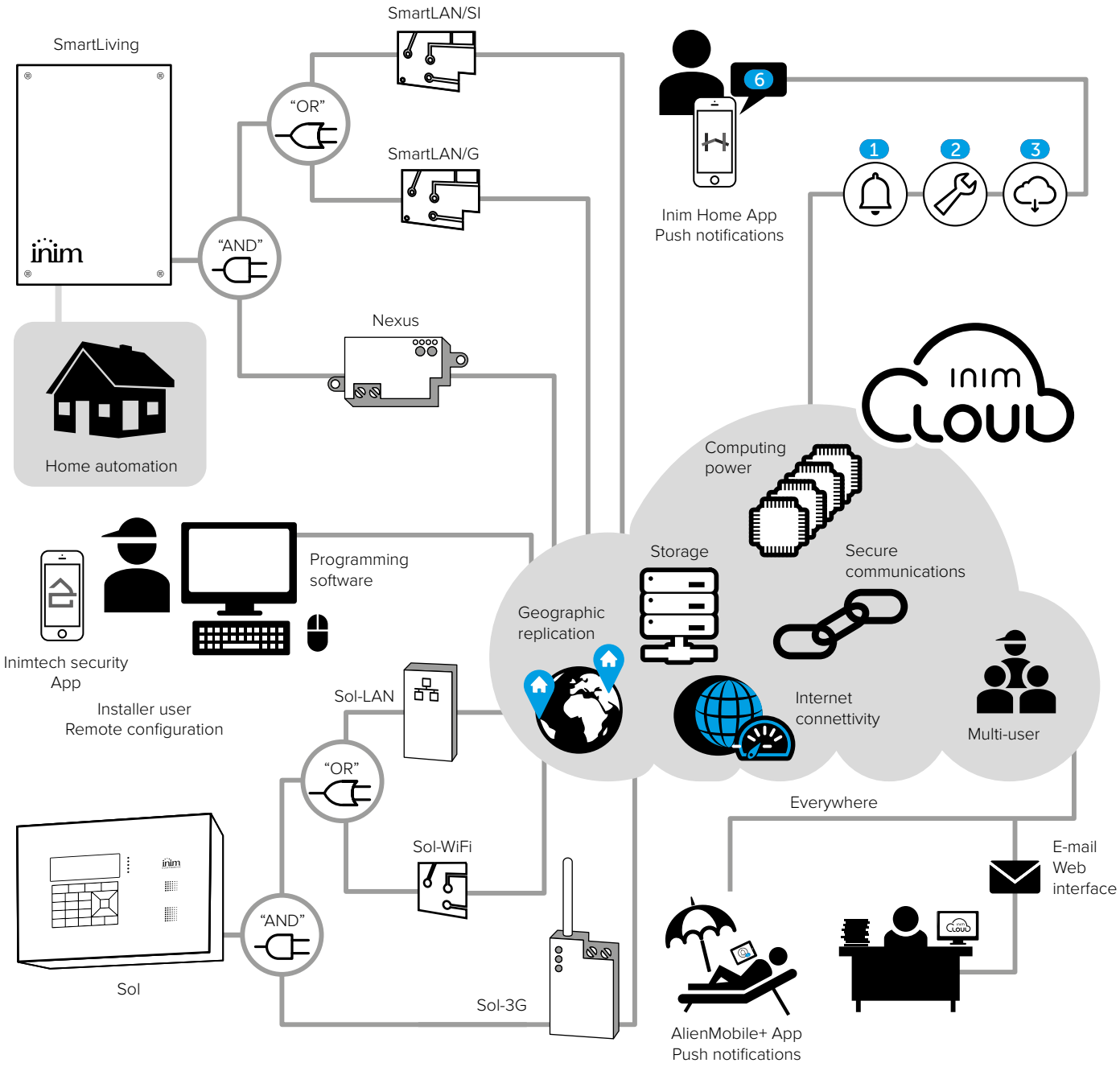
When tapping into Cloud services it is fundamental to be able to rely on an adequate structure that is capable of offering these services in a professional and efficient way. For this reason, Inim Cloud uses one of the most important European datacenters, with extensive guarantees in terms of bandwidth, computing power and data storage. In addition, the data center, as a result of its advanced technologies allows geographical replication, therefore, even in the event of disasters or natural calamities in a determined geographical area the Inim Cloud can be replicated instantaneously elsewhere.

In order to take advantage of the Inim Cloud services it is necessary to have a Inim control panel and one of the following communication devices: SmartLAN/G, SmartLAN/SI, Nexus/G. However, if you desire additional assurance of connectivity, you can combine a SmartLAN board with a Nexus/G module which will function as a backup channel to the Cloud.
The communication channel established between the peripheral devices and the Inim Cloud is encrypted with the most modern cryptographic algorithms: highly secure and reliable.

The Inim Cloud services are offered to both the end user and the installer, each of whom will benefit greatly from the numerous advantages it offers. The point of registration and access to the Inim Cloud is represented by the web address www.inimcloud.com, from which both the user and the installer can register and manage their systems.

The installer

The tasks of the installer are greatly simplified, time is saved and system management is more efficient. It is no longer necessary to worry about having to change (or have someone else change) the network configuration at the installation site. Under normal circumstances, the installer has to perform two major operations on the network structure, which involve reachability and routing: the installer must provide the user with an address to use (in the app or browser) and that he himself can use to reach the system through the SmartLeague software. Now, the only point of access for all installers and users alike, regardless of the location of the control panel is one: www.inimcloud.com. Then, the installer must provide connection redirection by implementing port-forwarding on the router and/or firewall. Inim Cloud technology allows control panels to avoid this problem, as it is the control panels that connect to the same common point: www.inimcloud.com. The SmartLAN boards (G and SI) are already set up for automatic Internet access so it is simply a “plug ‘n play” connection thus making the operations relating to connectivity extremely simple. Moreover, at present the installer has several different ways of remotely accessing the various installations. With Inim Cloud all control panels will be reached in the same way, at the same address: www.inimcloud.com. From the Inim Cloud web interface it is possible to monitor the system status, view faults and schedule interventions through a calendar that functions like a real management system.

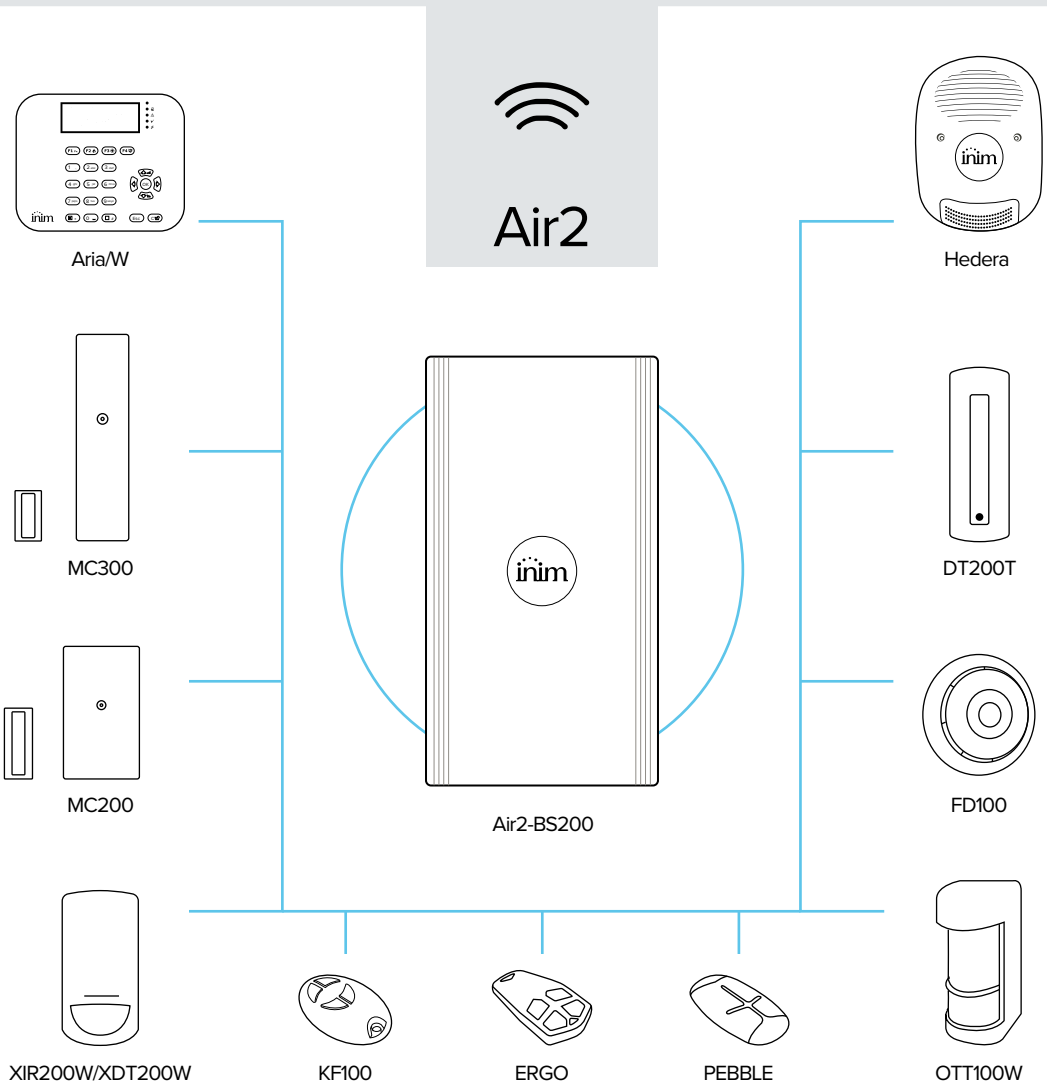


The user

Inim Cloud users have full control of their installations (house, shop, holiday home, etc.) and, in order to interact with them, can choose between an intuitive web interface (www.inimcloud.com) and the AlienMobile+ App, thanks to which they can receive very convenient push notications on their smartphones or tablets for real-time updates. Users can manage the intrusion section of their installations: activate scenarios, arm individual partitions or bypass/unbypass zones. Home-automation control is at hand and activating outputs, setting and adjusting the thermostat to the desired temperature are all easily done.
All events are immediately available and categorized, users can also take advantage of the handy "keyword or date range" search function and, if required, download the events on their PCs or tablets. Push or email notifications are freely configurable by category, in other words, it is possible to decide just how many and which category of notifications are to be received push, email or both. Users can connect more than one mobile device to their systems thus allowing multi-user system management. The AlienMobile+ App also allows the management of more than one system at a time, so it is possible to centralize home and office management on a smartphone in an efficient and intuitive way.

www.inimcloud.com

Air2



Frequently security professionals perceive the market need for a reliable, truly proficient wireless system. And now, thanks to INIM's perception of installer company needs, that system is available. The first-rate "Air2" wireless system operates over 868MHz band and moreover uses two-way signal transmission technology. This means that all the system devices transmit and receive signals. This two-way transmission technology also means that the traditional receiver has been replaced by a superior device that not only receives but also transmits signals to all the system devices. Therefore, the "Air2" system does not rely on one-way alarm signal transmission, like most wireless systems, but verifies the successful effect of the signal on the target device via a two-way wireless transmission channel. Security professionals will find the innovative operating principles and superior functions of the "Air2" wireless system more than convincing and will surely appreciate the advanced features of the system diagnostics. The transceiver connects directly to the control panel I-BUS (INIM's peripheral communication bus) and allows fully-integrated management of all wireless and hard-wired devices. INIM's "Air2" high-performance wireless system provides complete protection and in no way lowers security. Choosing "Air2" means reducing installation time to a minimum whilst at the same providing those hard-to-get-to spots with total protection. The "Air2" wireless system can be installed without defacing the structure it protects, and therefore finds its niche in buildings of importance such as churches and museums where extensive structural work would spoil the overall appearance of the building.

Technical features of the system

Operating frequency	868MHz
Communication type	Two-way
Modulation	GFSK
Channel	3

Air2-Aria/W

Wireless keypad with backlit graphic display

The Aria/W is a wireless keypad that provides all the functions for full control and management of the Inim system through the Air2 system, which it interfaces with through the Air2-BS200 transceiver. It integrates all the functions present on Concept hardwired keypads and provides a graphic display with user-friendly icons and 4 easy-to-use function keys. The Aria/W keypad is equipped with both a wall and table mounting bracket which allow this versatile device to blend neatly with all types of furnishing solutions. Its elegant design allows it to be located on view on a table or shelf. Its accelerometer provides both anti-tamper and “wake-up” from standby functions, while the brightness sensor adjusts the display and key brightness in accordance with the surrounding ambient. Additionally, it has an automatic shutdown function in the event it is moved out of wireless range. It is important to note that the battery has a two year life. The Aria/W is also equipped with a connector that allows, if required, hardwired power-up.

Main features	
Communication with Air2-BS200 transceiver	Two-way
Backlit graphic display	Yes
Easy4U icon interface	Yes
Programmable backlight in operation	Yes
Anti-glare sensor	Yes
4 signal LEDs	Yes
Signal buzzer	Yes
Protection	Anti-opening and anti-dislodgement protection
Accelerometer controlled “wakeup” function	Yes
Analysis of wireless channel quality	Yes
Mounts to “503” box	Yes
Table bracket	Yes
Optional 6-20 Vdc power-supply connector	Yes
Battery	CR17450 (2)
Battery life	2 years
Dimensions (HxWxD):	114x139x24 mm
Weight	275 g

ORDER CODES

Air2-Aria/WB Wireless keypad with graphic backlit display for management of Inim system, in white.

EN50131-5-3
EN50131-2-2

Air2-Hedera

Wireless outdoor sounderflasher

The Hedera outdoor sounderflasher is especially designed to ensure trouble-free installation and fast programming. It provides numerous programming options for the sounder, the flasher, maximum alarm time, flash rate per minute, signal activation mode, etc. The Hedera sounderflasher interfaces with Inim control panels via the Air2-BS200 transceiver though which it is controlled and managed by the control panel. This greatly simplifies programming and permits the activation of distinctive signals for the different events, whose respective parameters can be directly programmed from the control panel. The control panel, via the Air2 system, is capable of supervising tamper, low battery and fault signals and also the battery level. The self-diagnostics provided by the Hedera allow fast detection of eventual faults. During the installation phase it is also possible to select a specific signal for wireless reception loss. The super bright LED flasher offers long autonomy and reduced power consumption and has two ancillary signal LEDs. The battery has a life span of 4 years. The sounderflasher is protected against dislodgement-tamper, open-tamper and foam-tamper, achieved through dual path infrared detection inside the sounder with high immunity to false alarms. The Hedera is also available in a “metal look” version.

Main features	
Communication with Air2-BS200 transceiver	Two-way
Separate sound and flasher management	Yes
Volume adjustment	Yes
Protections	Anti-opening and anti-dislodgement; anti-foam
Metal inner-shroud	Yes
LED signal flasher	Yes
Parameter programmable from device	Yes
Sound pressure at 1m.	103dBA
Protection Grade	IP34
Battery	ER34615M
Battery life	4 years
Dimensions (HxWxD):	288x207x106 mm
Weight	2.3 Kg

ORDER CODES

Air2-Hedera-F	Outdoor wireless sounderflasher with antifoam protection.
Air2-Hedera-FM	Outdoor wireless sounderflasher with antifoam protection, metal look.
Air2-Hedera-F#	Outdoor wireless sounderflasher with antifoam protection, batteries not included.
Air2-Hedera-FM#	Outdoor wireless sounderflasher with antifoam protection, metal look, batteries not included.

Air2-BS200

Wireless transceiver with I-BUS interface for connection to control panels from the Inim series. The Air2-BS200/50 is capable of managing 50 field devices (detectors and magnetic contacts) and 100 KF100 wireless keyfobs, whereas the Air2-BS200/30 is capable of managing 30 field devices and 50 wireless keyfobs, and the Air2-BS200/10 is capable of managing 10 field devices and 30 wireless keyfobs. The Air2-BS200 is also capable of managing up to 4 Aria/W keypads and 4 Hedera sounderflashers. Each field device can be mapped on one of the terminals available on the control panel in the same way as each keyfob can be mapped on one of the Inim tags.

Main features

Wireless transmission	Two-way
Control panel connection	4 wires via the I-BUS
Manageable wireless field devices (magnetic contacts or detectors)	50 (Air2-BS200/50), 30 (Air2-BS200/30), 10 (Air2-BS200/10)
Manages wireless signals (inputs and outputs)	50 - simulates up to 10 Flex5 expansion boards (Air2-BS200/50) 30 - simulates up to 10 Flex5 expansion boards (Air2-BS200/30) 10 - simulates up to 10 Flex5 expansion boards (Air2-BS200/10)
Wireless keys supported (KF100)	100 (Air2-BS200/50), 50 (Air2-BS200/30), 30 (Air2-BS200/10)
Manageable Keypads (Aria/W) and Sounderflashers (Hedera)	4
Device mapping to control panel	On terminals
Wireless key mapping to control panel	On tag and card
Protections	Dislodgement and open cover
Supervision	Wireless-programmable Supervision Time
Dimensions (HxWxD)	171x80x27mm
Weight	130g

ORDER CODES

Air2-BS200/50 Transceiver 868MHz, connects to I-Bus, manages up to 50 detectors, up to 100 wireless keyfobs.
Air2-BS200/30 Transceiver 868MHz, connects to I-Bus, manages up to 30 detectors, up to 50 wireless keyfobs.
Air2-BS200/10 Transceiver 868MHz, connects to I-Bus, manages up to 10 detectors, up to 30 wireless keyfobs.
Air2-ANT100N/8 External high-performance antenna 868Mhz (cable mt. 1,5).

Air2-DT200T

The Air2-DT200T is a wireless curtain PIR detector that, thanks to the combination of two sensors and digital signal analysis, provides precision sensing and tracking of motion in the protected area. The use of dual technology provides the highest sensitivity available whilst virtually eliminating false alarms. The temperature compensation feature allows the detector to adapt to almost all types of ambient conditions. The shock and tilt sensor protects the device against attempts to remove or open the detector enclosure, whilst the anti-masking function detects any kind of interference. The Air2-DT200T is particularly suitable for the protection of doors and windows and is advised for professional outdoor applications. DT200T is available in brown or white.

Main features

Communicates with Air2-BS200 transceiver	Two-way
Digital signal analysis	Yes
Cover	3m
Protection	Anti-masking and inert-tamper protection
Motion tracking	Yes
Microwave frequency	K Band
Temperature compensation	Yes
Pulse counter	Yes
Conteggio degli impulsi	Yes
Battery	CR17450
Battery life	3 years
Dimensions (LxWxD)	140x40x32
Weight	93g

ORDER CODES

Air2-DT200T/B Wireless dual technology curtain detector with anti-masking function. Colour White.
Air2-DT200T/M Wireless dual technology curtain detector with anti-masking function. Colour Brown.

EN50131-5-3
EN50131-2-2

Air2-XIR200W
Air2-XDT200W
Air2-XIRP200W
Air2-XDTP200W

PET IMMUNE

Air2-XIR200W/Air2-XIRP200W
Air2-XDT200W/ Air2-XDTP200W

The Air2-XIR200W and Air2-XDT200W are the INIM's XLine series wireless volumetric motion detectors, and are especially suitable for professional indoor applications. Air2-XIR200W is a passive infrared detector (PIR). Its technology is based on digital signal analysis, a dual pyroelectric element capable of detecting infrared radiation and an innovative signal filter. It provides precision motion sensing in the protected area and, thanks to the programmable pulse count feature, high false alarm immunity. The temperature compensation feature allows the detector to adapt to the conditions of its environment, while the shock and tilt sensor protect it against tamper attempts. Air2-XDT200W has the same design features but is a dual technology detector (microwave and PIR). Also in this case, precision motion sensing, temperature compensation and shock and tilt protection are assured, as are the reliability and high false alarm immunity provided by the combination of dual technology and the pulse count feature. The security measures included in the Air2-XDT200W are completed by the anti-masking function made available by the microwave sensor. The XLine series wireless detectors can be used in a vast range of residential and commercial applications, providing solutions for every type of installation.

Main features	Air2-XIR200W / Air2-XIRP200W	Air2-XDT200W / Air2-XDTP200W
Communicates with Air2-BS200 transceiver	Two-way	Two-way
Digital signal analysis	Yes	Yes
Cover	12m	8m
Protection	Anti-opening and anti-dislodgement protection	Impact tamper; anti-masking function mw
Temperature compensation	Yes	Yes
Bypassable LED	Yes	Yes
Pulse counter	Yes	Yes
Battery	CR17450	CR17450
Microwave frequency	-	K Band
Battery life	3 years	3 years
Dimensions (LxWxD)	120x60x44	120x60x44
Weight	98g	102g

ORDER CODES

Air2-XIR200W Wireless digital PIR detector 12m volumetric coverage.
Air2-XIRP200W Wireless digital pet immune PIR detector 12m coverage
Air2-XDT200W Wireless digital dual technology detector 8m volumetric coverage.
Air2-XDTP200W Wireless digital pet immune dual technology detector 8m.

Air2-UT100

The UT100 is useful in applications that require the transmission of wireless signals from a generic source to the Inim control panel. The UT100 has a normally closed input that transmits a wireless alarm signal when it becomes unbalanced. And, provides an additional normally closed input for the connection of tamper contacts. The UT100 is equipped with a bypassable inertial tamper protection. If the device is moved or disturbed it will send a tamper signal to the Air2-BS200 transceiver that will then be forwarded to the Inim control panel. The board is capable of powering external devices @3V through an appropriate power output. If external loads are applied, it is necessary to take into account the extra current draw when gauging the battery life. The UT100 is an extremely practical device that is particularly suited for perimeter protection. Hardwiring perimeter devices to carry alarm and tamper signals to the control panel is both time-consuming and costly, the UT100 is the perfect solution. Alarm and tamper signals carried from perimeter protection devices to a UT100 will be transmitted to the control panel by wireless transmission.

Air2-UT100

Main features

Communicates with Air2-BS200 transceiver	Two-way
Alarm input	1
Tamper input	1
Power output	3V
Protection	Shock and tilt protection

Batteries	CR17450 (2)
Battery life	4 years
Dimensions (LxWxD)	20x100x40mm
Weight	24g

ORDER CODES

Air2-UT100 Universal wireless transceiver

Air2-OTT100W / Air2-ODI100W

Air2-OTT100W and Air2-ODI100W are wireless detectors suitable for outdoor installations. OTT100W is an intelligent triple technology detector combined microwave and infrared with excellent immunity to false alarms. ODI100W is a dual technology infrared detector. Both devices are equipped with a horizontal range adjustment mechanism which also permits micrometric adjustment of the lower beam and provides, by means of the selection of the operating-mode, advanced signal processing with impressive catch performance and excellent immunity to false alarm sources such as pets. Besides the anti-opening and anti-dislodgement protections the OTT100W and ODI100W include a vibration and tilt sensor for high-level protection against tamper attempts. The heavy-duty casing in polycarbonate has IP44 grade protection and is equipped with a UV ray resistant Fresnel lens. The vast range of adjustment possibilities provide these wireless detectors with high flexibility and reliability and ensure they are capable of responding to the various protection requirements of outdoor installations.

Main features

Communicates with Air2-BS200 transceiver	Two-way
Digital signal analysis	Yes
Protection range	3÷12m
Horizontal cover	60°
Protection	Anti-dislodgement and anti-opening; shock/tilt sensor
Bypassable LED	Yes

Protection Grade	IP44
Battery	CR17450 (2)
Battery life	4 years
Dimensions (LxWxD)	189x70x100
Weight	450g

ORDER CODES

Air2-OTT100W Wireless triple technology detector for outdoor use.
Air2-ODI100W Wireless dual PIR detector for outdoor use.
OTTBK200 Inox mounting bracket kit, 2 “U” shaped brackets and 1 “L”-shaped bracket.
OTTCV100 Weather proof cover.

EN50131-5-3
EN50131-2-2

Air2-KF100, KF PEBBLE and KF ERGO

Air2-KF100

Air2-KFPEBBLE/A

Air2-KFERGO/B

Thanks to a two-way transmission channel with the supervisory software, Inim remote-control keyfobs are capable of providing visual feedback signals on LED indicators to notify users of the successful outcome of commands. Each remote-control keyfob has 4 buttons whose functions are fully programmable from the control panel.
The remote-control keyfob will allow the user to arm and disarm the anti-intrusion system, open a gate or switch on lights.
The device provides audible and/or visual confirmation of the successful outcome of the required command. These remote-control keyfobs are also equipped with a useful “lock keyfob” feature which protects the device against the execution of commands caused by accidental pressure on the buttons.
The practical, easy-to-use KF100 series has been extended to include two new-generation devices that combine functionality and attractive design: Pebble KF and Ergo KF, available in a different colours.

Main features	
Comunicazione con ricetrasmettitore Air2-BS200	Bidirezionale
Tasti	4
Funzioni dei tasti	Liberamente programmabili come macro di centrale (inserimenti, disinserimenti, parzializzazioni, attivazioni uscite, ecc.)
LED di notifica	6, per la segnalazione dell’esito del comando inviato
Buzzer di segnalazione	Multitonale
Blocco/Sblocco tastiera	Si
Batteria	CR2032
Durata batteria	5 anni
Dimensioni KF100 / KF ERGO / KF PEBBLE (HxLxP)	61x41x12 mm / 72x41x16 mm / 69x42x15 mm
Peso KF100 / KF ERGO / KF PEBBLE	15 g / 25 g / 23 g

ORDER CODES

Air2-KF100	Wireless key (two-way) with 4 programmable buttons.
Air2-KFPEBBLE/R	Modern design two-way remote control keyfob with 4 buttons. Colour Red.
Air2-KFPEBBLE/G	Modern design two-way remote control keyfob with 4 buttons. Colour Grey.
Air2-KFPEBBLE/A	Modern design two-way remote control keyfob with 4 buttons. Colour Airforce blue.
Air2-KFPEBBLE/B	Modern design two-way remote control keyfob with 4 buttons. Colour White.
Air2-KFERGO/N	Ergonomic design two-way remote control keyfob with 4 buttons. Colour Black.
Air2-KFERGO/B	Ergonomic design two-way remote control keyfob with 4 buttons. Colour White.

Air2-MC200

The Air2-MC200 is a wireless magnetic-contact which integrates a tilt and shock sensor.
The latest micro-electromechanical technology allows this device to provide extreme programming flexibility, accurate detection and a high rate of reliability. In fact, both tilt and shock detection can be precisely programmed to the specific needs of the installation. The tilt sensor detects tamper on the object it is firmly fixed to and is particularly suited to overhead and awning windows, thus avoiding the use of magnets.
The Air2-MC200 is protected against tamper attempts and forced removal.
Air2-MC200 uses separate channels for the different types of signaling and therefore allows the clear identification of the source of the alarm.
The reduced size of this device allows simplified installation and maintenance.

Main features	
Communication with Air2-BS200 transceiver	Two-way
Protections	Dislodgement and open cover
Magnetic contacts	1
Tilt and Shock sensor	1
Alarm signaling channels	Separate for the magnetic sensor, tilt/shock sensor and tamper
Shock sensor sensitivity	16 programmable levels
Tilt sensor sensitivity	Programmable with a maximum angle of less than 5 degrees
Tilt delay signal	Programmable from 100ms to 2 minutes
Colours	White and Brown
Battery	CR2
Battery life	4 years
Dimensions (HxWxD)	58x35x23 mm
Weight	50 g

ORDER CODES

Air2-MC200B Wireless magnetic contact with integrated tilt and shock sensor. Colour White.
Air2-MC200M Wireless magnetic contact with integrated tilt and shock sensor. Colour Brown.

EN50131-5-3
EN50131-2-2

Air2-MC300

Defining this device as a magnetic contact is somewhat reductive. Besides providing two positions for the magnet, 90 degrees one from the other for device placement optimization, the MC300 magnetic contact provides 2 terminals which can be configured individually as input or output terminals. Configuring the terminals as inputs provides standard zone management (NO, NC, Single Balancing; Double Balancing), and also allows direct connection of shock and rollerblind detectors. Configuring the terminals as outputs grants access to a 50mA open-collector output. Alarms deriving from the magnetic contacts, and distinctly from the 2 terminals, will be signalled separately on the control panel. This device provides an option which allows you to change the “unused” magnetic contact (of the two present on the device) into a magnetic tamper protection. In this way, it will be capable detecting tamper attempts using magnets. This device is protected against dislodgement and open-cover tamper and is available in brown or white.

Main features	
Communication with the Air2-BS200 two-way transceiver	Yes
Protections	Anti-dislodgement and anti-opening
Magnetic contacts	2 x 90° usable individually or in pair
Terminals	2 individually programmable as input or output
Balancing	Managed on N.O., N.C. terminals, single or double balancing
Management of roller blind and inertial detectors	Yes, on both terminals
Alarm signalling channel	Separate for magnetic sensors, first terminal and second terminal
Colour	White or Brown
Battery	Alcaline, AA 1.5 V
Battery life	4 years
Dimensions (HxWxD)	108x26x26,5 mm
Weight	80 g

ORDER CODES

Air2-MC300B Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions). Colour White.
Air2-MC300M Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions). Colour Brown.

Air2-FD100

The Air2-FD100 smoke detector allows you to add advanced smoke-detection capabilities to the Inim control panel.
This device greatly enhances the capacity of any home security system. Air2-FD100 provides unique features. In fact, it can verify the level of contamination (dust) inside the optical chamber and signal the need for cleaning. The analogue values regarding the level of contamination in the optical chamber are shown on the keypad. The state-of-the-art detection technology used in the Air2-FD100 is typical of the technology-driven environment of INIM's entire range of fire detection devices.

This technology provides you with 4 programmable levels of smoke-detection sensitivity (0.08dB/m to 0.15dB/m).
The Air2-KF100 is equipped with a tricolour LED (green, yellow and red) which signals the normal operating status of the device, low battery status, contamination in the optical chamber, alarm and fault conditions. This device provides an option which disables the visual signals on the LED. You can configure all the device parameters via the wireless network without the need for direct intervention on the device itself.

Main features	
Communicates with the Air2-BS200	Two-way transceiver
Protected against dislodgement	From its base
4 programmable levels of sensitivity	0.10dB/m (pre-set mode); 0.10dB/m; 0.10dB/m; 0.10dB/m
Tricolour signalling LED	Normal operating status, fault, contamination in the optical chamber, low battery, alarm
Option	To disable LED signalling
Battery	CR17450
Battery life	3 year
Dimensions (HxDxW)	60x114 mm (with base)
Weight	160g (with base and without battery), 182g (with base and battery)

Note: With the use of Air2-FD100, Inim anti-intrusion control panels cannot be considered fire detection systems.

ORDER CODES

Air2-FD100 Two-way wireless smoke detector for Inim systems.

SmartLink Advanced

PSTN, GSM and GPRS dialler and reserve line generator

SmartLinkAdv/P

SmartLinkAdv
(G and GP versions)

The SmartLink dialler was certainly a revolutionary communication tool. It offered high-security performance to the end user and ease-of-installation, flexibility and long-term reliability to the installer. The SmartLink Advanced platform delivers extensive capabilities which go well beyond those common to this historical segment of security communications. The SmartLink Advanced anticipates the needs and technologies of “the-day-after-tomorrow” security and PSTN and GSM network connectivity requirements. The SmartLink Advanced offers best-in-class PSTN and GSM network connectivity and thus allows installers to deliver the highest levels of user satisfaction.
The device is capable of generating a reserve telephone line when the PSTN is unavailable, as well as operating as a GSM voice dialler with 100 pre-recorded messages customizable by means of text-to-speech software or .wav file. In fact, the new hardware (for P and GP versions) integrates a powerful voice board capable of storing 15 minutes of speech and 100 messages. Moreover, the SmartLink Advanced is capable of sending SMS messages over the GSM network, in both manual and automatic mode. Automatically generated texts can be modified through the software editor. The SmartLink Advanced also operates as a dual-net digital GSM and PSTN dialler and can transmit information to alarm receiving centres via the most widely used protocols, such as Contact-ID (PSTN) or standard SIA-IP (GPRS). The SmartLink Advanced provides a call-answering feature with voice guide (similar to that on SmartLiving intrusion control panels). This feature allows users to control the system over-the-phone (up to 200 telephone numbers can be enabled on the white-list) and provides all the functions related to the activation of scenarios, home-automation and intrusion control via SMS, with the added assurance of command feedback (ring or SMS message). The new generation technologies integrated in the SmartLink Advanced allow you to select the best provider even before purchasing the SIM card (EasyScan function).
These technologies also allow you to be sure that your system is protected against intentional or unintentional jamming which can disrupt wireless transmission and inhibit the GSM signal. Thanks to the up-to-the-minute technology of the new GSM module, the SmartLink Advanced takes full advantage of Roaming services through a single SIM card. This allows the end-user to avoid purchasing other SIM cards for the device and guarantees the best possible connection at all times. It is also possible to establish a connection between two SmartLink Advanced devices for the periodic control and management of the “GSM Network Connection” check. Another useful aspect of the SmartLink Advanced is that it is capable of managing the GPRS channel for its own remote management and programming. This feature allows users to access the device through the Internet. To activate the GPRS channel of the GSM network, just insert an Internet enabled SIM. The installer can activate the GPRS connection by sending an SMS message containing valid credentials. The SmartLink Advanced will connect to the previously programmed IP address of the device. If the installer is on the move and the connection IP address is different from the programmed one, it is possible to send the device an SMS message containing valid credentials and the IP address the SmartLink Advanced must connect to. By means of new programming and control software, it is now possible to obtain remote access to all the device functions in a simple, fast and secure way.

SmartLink/REM-ANT

SmartLink board

IPS12015

GSM-ANT100B

GSM-ANT200N

Hardware features	model P	model G	model GP
Reserve line generator		•	•
Input/Output terminals (Patent pending)	5	5	5
Input terminals programmable as NO, NC, single and double termination	•	•	•
Output terminals programmable as NO, NC, bistable and pulse	•	•	•
Programmable via USB	•	•	•
15 minute integrated voice card	•		•
Auxiliary current output (400mA fuse protected)	•	•	•
Open-panel tamper protection and connection terminals for external device	•	•	•
Metal enclosure	•	•	•
External power supply	•	•	•
Battery supervision (level, efficiency, connection)	•	•	•
Deep discharge shutdown	•	•	•
Battery housing	12V 1.2Ah	12V 1.2Ah	12V 1.2Ah
Power	13.8Vdc - 650mA	13.8Vdc - 650mA	13.8Vdc - 650mA
Dimensions (HxWxD)	220x133x55 mm	220x133x55 mm	220x133x55 mm
Weight (Kg)	0.9	0.9	0.9
Operating features			
Intrusion control function	•		•
500 event memory (non-volatile)	•	•	•
GSM/GPRS voice and digital dialler		•	•
PSTN voice and digital dialler	•		•
SMS dialler on GSM network		•	•
Manages DTMF commands over GSM network with or without code entry		•	•
Manages DTMF commands over PSTN with or without code entry	•		•
GSM or PSTN line priority selection		•	•
Fault signalling (battery, PSTN linedown, output trouble)	•	•	•
Capable of diverting incoming SMS messages		•	•
Actuator with Caller ID recognition		•	•
Manages SMS commands after recognition of Code or Caller ID		•	•
SMS command-received feedback (ring or SMS message)		•	•
Telephone numbers for dialler functions (voice and digital)	15	15	15
Pre-defined SMS messages for event signalling (customizable)		100	100
Sends dialler calls for each event over PSTN or GSM network		•	•
On-card voice messages (up to 15 minutes) recordable by means of text-to-speech software or .wav file	100		100
Programmable periodic events	3	3	3
Manages remote programming/monitoring over GPRS		•	•
Manages supervision over GPRS		•	•
Manages SIA-IP and transmits information to alarm receiving centres via the most widely used protocols		•	•
Answerphone function with voice menu	•		•
Manages and signals Roaming status		•	•
Easyscan function for best provider selection		•	•
Jamming detector		•	•
Supervises periodic check between 2 SmartLink Advanced devices		•	•
Manages 200 action-associated numbers (white list) with Caller ID or SMS message recognition		•	•
Automatic SIM card credit enquiry with programmable threshold		•	•

ORDER CODES

SmartLinkAdv/P	Voice and digital dialler on PSTN.
SmartLinkAdv/G	Reserve line generator over GSM/GPRS network.
SmartLinkAdv/GP	Reserve line generator and dialler over GSM/GPRS network and PSTN line.
SmartLink/REM-ANT	Remote antenna (cable 3m).
IPS12015	Power supply/battery charger (optional), 1A@14Vdc.
LINKUSBAB	USB link between PC and INIM custom SmartLink Advanced devices.
GSM-ANT100B	GSM high-performance antenna (cable mt. 0,2).
GSM-ANT200N	Remote GSM high-performance antenna (cable mt.3).

SmartLevel

Power stations

SmartLevel is the solution to all ancillary power requirements.
The control board of this device is compliant with EN50131-6.
Therefore, it can be installed in installations certified in accordance with EN50131, security grade 3.

SmartLevel is available in two models:
- the SPS12060XG3 is capable of supplying up to 3,7A @ 13.8V and provides housing for 12V-7Ah battery;
- the SPS12160XG3 is capable of supplying 6,2A @ 13.8V and provides housing for 12V-17Ah battery.

Both models provide 3 ancillary power outputs, each with short-circuit protection and a current limit of 1.35A.
The electronic board and the internal switching power-supply module monitor and charge the batteries.

Main features	SPS12060XG3	SPS12160XG3
Internal switching power-supply module	to 3,7A @ 13,8V	to 6,2A @ 13,8V
Input voltage	230Vac -15% +10%, 50-60Hz	230Vac -15% +10%, 50-60Hz
Stability	higher than 1%	higher than 1%
Ancillary power outputs, each with short-circuit protection and a current limit of 1.35A.	3	3
Integrated battery charger	Yes	Yes
Battery monitor	Yes	Yes
Relay output for fault/tamper signalling	Yes	Yes
Open-collector outputs for fault signalling	2	2
Housing battery	7Ah	17Ah
Dimensions (HxWxD)	305x220x80 mm	500x380x95 mm
Weight (without battery)	1,5 kg	2 kg

ORDER CODES

SPS12060XG3 Switching power supply 2,5A+1,2A, 13,8V with separate battery charger.
SPS12160XG3 Switching power supply 5A+1,2A, 13,8V with separate battery charger.

Power-supply module and boxed power supply

INIM offers two switching power supply/battery charger units: the 3A model and the 5A model. Each model is available in an in-box version. The device comprises a switching power supply module housed in a metal casing that accommodates two 12V batteries. It is an ideal solution for installations where supervision of all the power supply components is not essential. All models provide a thermal probe input. The thermal probe protects the batteries against overheating and consequent permanent damage by measuring the battery temperature and regulating the power supply output voltage accordingly.

IPS12060G / IPS12060S **Power Supply Module - 3,7A and 3A**
Input Voltage: 230Vac -15% +10%, 50-60Hz
Absorption from mains: 0,5A
Output Voltage: 13.8Vdc
Maximum output current: 2,5A+1,2A (model G); 3A (model S)
Stability: higher than 1%
Over-voltage protected
Short-circuit protected
Output voltage variations based on temperature (manages ProbeTH thermal probe)
Separate battery charger circuit (G model)
2 OC fault outputs (G model)
3 signalling LEDs (G model)
Metal casing

BPS12060G / BPS12060S **Power Supply in metal box - 3,7A and 3A**
Battery housing for two 7Ah, 12V batteries
Dimensions (HxWxD): 325x325x80mm
Weight (without batteries): 3Kg

IPS12160G **Power Supply Module - 6,2A**
Input Voltage: 230Vac -15% +10%, 50-60Hz
Absorption from mains: 1,1A
Output Voltage: 13.8Vdc
Maximum output current: 5A + 1,2A for battery charge
Stability: higher than 1%
Over-voltage protected
Short-circuit protected
Output voltage variations based on temperature (manages ProbeTH thermal probe)
Separate battery charger circuit (G model)
2 OC fault outputs (G model)
3 signalling LEDs (G model)
Metal casing

BPS12160G **Power Supply in metal box - 6,2A**
Battery housing for two 17Ah, 12V batteries
Dimensions (HxWxD): 497x380x87mm
Weight (without batteries): 6Kg

ProbeTH

The Thermal Probe protects the batteries against overheating and consequent permanent damage by measuring the battery temperature and regulating the power supply output voltage accordingly.

ORDER CODES

BPS12060S	Power supply in metal box, 13,8V, 3A.
BPS12060G	Power supply in metal box, 2,5A+1,2A, 13,8V with separate battery charger.
BPS12160G	Power supply in metal box, 5A+1,2A, 13,8V with separate battery charger.
IPS12060S	Power supply, 3A, 13,8V.
IPS12060G	Power supply, 2,5A+1,2A, 13,8V with separate battery charger.
IPS12160G	Power supply, 5A+1,2A, 13,8V with separate battery charger.
ProbeTH	Thermal probe.

Xline

INIM's new generation intrusion detectors

The XLine detector series represents the integration of the very best technologies available for motion sensing. These detectors are perfect for use in professional indoor applications, thanks to digital signal analysis that combines high sensitivity with an equally high immunity to false alarms. In fact, by using the digital signal analysis of the sensors and applying a totally innovative and stable signal amplification and filtering technique, these devices are now capable of sensing motion in the protected area with extreme reliability and precision. To high efficiency, the detectors of the XLine series also add the aesthetic appeal of an attractive low-profile design which makes them the perfect choice for all types of commercial, residential and institutional premises.

PIR detectors

XIR100H and XIR200H are passive infrared detectors (PIRs) that, by means of a dual pyroelectric element, detect infrared radiation.

XIR100H
Digital PIR detector
XIRP100H
Pet Immune version

Digital signal analysis	Pulse counter
Range 15m (12m Pet Immune)	Operating temperature: 0°C ÷ +50°C
Detection angle 100° (80° Pet Immune)	Power Voltage: 9V ÷ 16Vdc
Bypassable LED	Absorbed current: 15mA @ 12Vdc
Temperature compensation	Installation height: 2.2m
White light protection	Dimensions: 96x60x44 mm
Anti-opening protection	

XIR200H
Digital PIR detector
XIRP200H
Versione Pet Immune

Digital signal analysis	Anti-opening and anti-dislodgement protection
Range 15m (12m Pet Immune)	Predisposed for EOL resistor
Detection angle 100° (80° Pet Immune)	Operating temperature: 0°C ÷ +50°C
Bypassable LED	Power supply voltage: 9V ÷ 16Vdc
Temperature compensation	Current draw: 15mA @ 12Vdc
White light protection	Installation height: 2.2m
Pulse counter	Dimensions: 120x60x44 mm

Dual technology detectors

The XLine dual technology detector range includes microwave PIR detectors that combine a dual pyroelectric element and an X band microwave sensor.

XDT200H
Digital dual technology detector
XDTP200H
Pet Immune version

Digital signal analysis	Predisposed for EOL resistor
Range 15m (12m Pet Immune)	AND/OR function alarm trigger
Detection angle 100° (80° Pet Immune)	Smart function
Pulse counter	X Band microwave detection
Temperature compensation	Operating temperature: 0°C ÷ +50°C
White light protection	Power supply voltage: 9V ÷ 16Vdc
Bypassable LED	Current absorbed: 20mA @ 12Vdc
3 signalling LEDs	Installation height: 2.2m
Anti-opening and anti-dislodgement protection	Dimensions: 120x60x44 mm

XDT200HM
Digital dual technology detector with anti-masking function
XDTP200HM
Pet Immune version

Digital signal analysis	AND/OR function alarm trigger
Range 15m (12m Pet Immune)	Smart function
Detection angle 100° (80° Pet Immune)	X Band microwave detection
Pulse counter	Anti-masking microwave
Temperature compensation	Operating temperature: 0°C ÷ +50°C
White light protection	Power supply voltage: 9V ÷ 16Vdc
Bypassable LED	Current absorbed: 20mA @ 12Vdc
3 signalling LEDs	Installation height: 2.2m
Anti-opening and anti-dislodgement protection	Dimensions: 120x60x44 mm

EOL Resistors

XLine detectors predisposed for line balance can be configured by inserting an EOL resistor jumper in the appropriate connector on board the device.

XEOLR3K9: 3K9 EOL Resistor
XEOLR6K8: 6K8 EOL Resistor
XEOLR510R: 510Ω EOL Resistor
XEOLR1K: 1K EOL Resistor

XEOLR1K5: 1K5 EOL Resistor
XEOLR2K4: 2K4 EOL Resistor
XEOLR5K6: 5K6 EOL Resistor
500 pcs box.

Accessories

XBK100
Swivel bracket for Xline detectors (50 pack).

Infrared detectors

INIM puts forward a line of Passive Infrared Detectors especially designed for residential applications. The motivating price/performance ratio makes these detectors ideal for applications where cost is a key issue and performance and reliability cannot be overlooked. The models below allow you to satisfy the needs of a large variety of applications.

BIC100

Ceiling mount passive infrared detector

Detection range: 6m in diameter to 3.6m in height	Operating temperature: 0°C:50°C
Alignment angle: 360°	Power supply voltage: 9÷16Vdc
Digital signal analysis	Current draw (max): 20mA @12Vdc
Bypassable alarm LED	Installation height: 2,5m @ 6m
Adjustable alarm-pulse duration	Dimensions (HxWxD):116x116x28,2mm
Automatic temperature compensation	

ORDER CODES

INIDINIEBIC100 Passive infrared detector.

OTT100H and ODI100H

Triple technology and dual PIR detectors for outdoor installation

OTT100H and ODI100H detectors are suitable for outdoor installations. The OTT100H operates by means of two infrared sensors and a microwave sensor whose capabilities combined with programmable functions ensure high immunity to false alarms. The ODI100H operates by means of a dual infrared sensor. Both devices are equipped with a horizontal range adjustment mechanism which also permits micrometric adjustment of the lower beam and provides, by means of the selection of the operating-mode, advanced signal processing with impressive catch performance and excellent immunity to false alarm sources such as pets. Besides the anti-opening and anti-dislodgement protections the OTT100H and ODI100H also include an anti-masking feature for high-level protection against tamper attempts. The heavy-duty casing in polycarbonate has IP44 grade protection and is equipped with a UV ray resistant Fresnel lens. The vast range of adjustment possibilities provide these detectors with high flexibility and reliability and ensure they are capable of responding to the various protection requirements of outdoor installations.

Main features	
Digital signal analysis	Yes
Range	3÷12m
Horizontal cover	60°
Protection	Anti-dislodgement and anti-opening; anti-masking function
Bypassable LED	Yes
Protection Grade	IP44
Operating temperature	-25° ÷ 70°C
Power supply voltage	11 ÷ 15Vdc
Installation height	1.2m
Dimensions (LxWxD)	189x70x70
Weight	400g

ORDER CODES

OTT100H	Triple technology detector for outdoor installation.
ODI100H	Dual PIR detector for outdoor installation
OTTBK100	Inox mounting bracket kit, 2 “U” shaped brackets.
OTTCV100	Weather proof cover.
OTTHT100	Heater without hygrometer.
OTTHT200	Heater with hygrometer.

Photoelectric beam detectors

BDX-D060
Dual photoelectric detector, range 60m.

BDX-T100
Triple photoelectric detector, range 100m.

BDX-Q200
Quad photoelectric detector, range 200m.

Security professionals and final users alike put emphasis on the increasing need for perimeter protection.
The penchant is for “fast” intrusion detection, attributable to the evident advantages of the early warning of such events.

To satisfy this need, INIM offers a complete line-up of Photoelectric beam detectors.
The line-up includes dual, triple and quad photoelectric beam detectors with outdoor ranges of 60 to 200 metres.

	Dual photoelectric detectors Model BD-D060	Triple photoelectric detectors Model BD-T100	Quad photoelectric detectors Model BD-Q200
Detection method	Infrared	Infrared	Infrared
Beam characteristics	Dual beams	Triple beams	Quad beams
Outdoor range	60m	100m	200m
Indoor range	180m	300m	600m
Detection time	Selectable from 50 to 700ms	Selectable from 50 to 700ms	Selectable from 50 to 700ms
Power input	From 12Vdc to 24Vdc	From 12Vdc to 24Vdc	From 12Vdc to 24Vdc
Power consumption	55mA max	80mA max	105mA max
Alarm output	Form C relay (30Vdc, 0,5A)	Form C relay (30Vdc, 0,5A)	Form C relay (30Vdc, 0,5A)
Tamper output	Form C relay (receiver only)	Form C relay (receiver only)	Form C relay (receiver only)
Horizontal alignment angle	+/- 90°	+/- 90°	+/- 90°
Vertical alignment angle	+/- 5°	+/- 10°	+/- 10°
IP grade	IP54	IP54	IP54
Dimensions (HxWxP)	170x82x80mm	270x90x100mm	345x110x105mm
Weight (transmitter and receiver)	650g	2168g	3100g

Prime/STUDIO

Programming and control software for Prime intrusion-control systems

Prime/STUDIO is an application for the programming and control of the Prime series of intrusion control panels.
Modern and customizable graphic design, facilitated and potentiated use of the data setting and diagnostic tools are the cornerstones around which the Prime/STUDIO was conceived and designed.
In addition to the copy-paste functions, the real innovation is the multiple programming of objects when many identical parameters are present: in fact, it is possible to select zones, codes, partitions, events, etc., and program all the common parameters in one go. For each object it is also possible to directly access the programming of the events it can generate and, in the same way, go directly back to the object that was being programmed.
The ease of use and time saved are truly notable. The diagnostics of the entire Prime/STUDIO installation can truly make the difference: in fact, it provides a complete, clear and interactive view of the status of all the system components. It is also possible to view in real-time the status of the zones, partitions, outputs, etc; for GSM devices it is possible to view the strength of GSM signal reception, the network the devices are connected to and the presence of any faults; for all the devices it is possible to check their presence, supply voltage and version. The diagnostics of wireless subsystems is also particularly detailed: it is possible to check the strength of the wireless signal reception on each device, the battery-charge level and the level of electrical noise present in the environment in order to evaluate the device placement.
The Prime/STUDIO interfaces with the control panels via LAN and also through GSM/GPRS devices. Remote programming is also possible and Cloud offers many advantages: wherever the installer is, provided there is access to the internet, it will be possible to program all installations through the Installer's Cloud account without the need to carry out network programming.
Through Prime/STUDIO the installer can save solutions to the Cloud and thus have a real backup database.
In addition to the manuals for installation, programming and use of the control panels, Prime/STUDIO also contains the control panel and PrimeLAN board firmware updates.
For all registered installers, Prime/STUDIO is freely downloadable from the reserved area of the www.inim.biz portal where its functions can be evaluated. However, the actual connection with Prime control panels is permitted only to the identified installer who adhered to the respective proposal and purchased the control panel from an official INIM distributor to whom associated.

SmartLeague

Programming and management software for INIM devices

Each application contained in the SmartLeague package is distinct, however, all the applications share the same operational structure and interfaces.
The applications allow management of intrusion control panels from the SmartLiving series, GSM diallers from the SmartLink series and fire control panels from the SmartLine, SmartLight and SmartLoop series. So you will find everything you need for the system programming process in a single package. The system programming and start-up phases take up a large part of the installer's time at the installation site. So, ever more frequently nowadays, installers are opting for computer-assisted programming methods. With this in mind, INIM's R & D professionals set out to create a software programme that would greatly simplify system programming and diagnostics. This was achieved by adopting a "visual" approach to these tasks. In fact, in addition to having "classic" programming grids, this new software also offers click-on thumbnails which provide you with pop-up menus and helpful prompts.
Furthermore, the task of moving a detector from one terminal to another can now be done by simply clicking-on the detector and dragging it to the desired terminal. Additionally, during the system programming process, you will have the help of the device instructions, which can be consulted by clicking on the wiring diagrams on the display.
The programming process is further simplified by a powerful copy & paste option. This option is useful when you are dealing with a large number of elements (zones, partitions, events, timers, etc.) of the same type. In such cases, all you need to do is configure one element and then copy its profile onto all the others, thus saving you a considerable amount of time.

SmartLeague really makes a difference when it comes to diagnostics. It provides a clear, interactive view of the status of the system. Among the real-time data provided for GSM devices is the GSM signal level, the telephone network, eventual faults, etc.
When you use SmartLeague software to carry out diagnostics on a SmartLiving system, you have access to the system status in full detail. In this way, you can check the status of the zones, partitions, timers, peripherals and all the system elements. The level of detail allows you to check the wireless signal level of each specific device and at the same time check the environment noise level. This feature is extremely useful during wireless-device placement.
SmartLeague also is suitable for more complex structures which require data import and export functions, either for easy transfer of data between computers or to manage different operator access levels. For this purpose, SmartLeague has integrated powerful data management and access-control tools. The software is open to all communication channels. SmartLeague is not limited to the management of a local RS232 interface, it also allows programming and control operations over the PSTN network, in this case, with the assistance of a SmartModem100 or even via the Internet through a SmartLAN series network board. SmartLeague can also connect to the control panel via Inim Cloud. In this way are possible programming and remote control, as well as importing and exporting of solutions and also to perform a backup of the database. Everything across the Cloud.

The software can be downloaded, free of charge, at www.inim.biz.

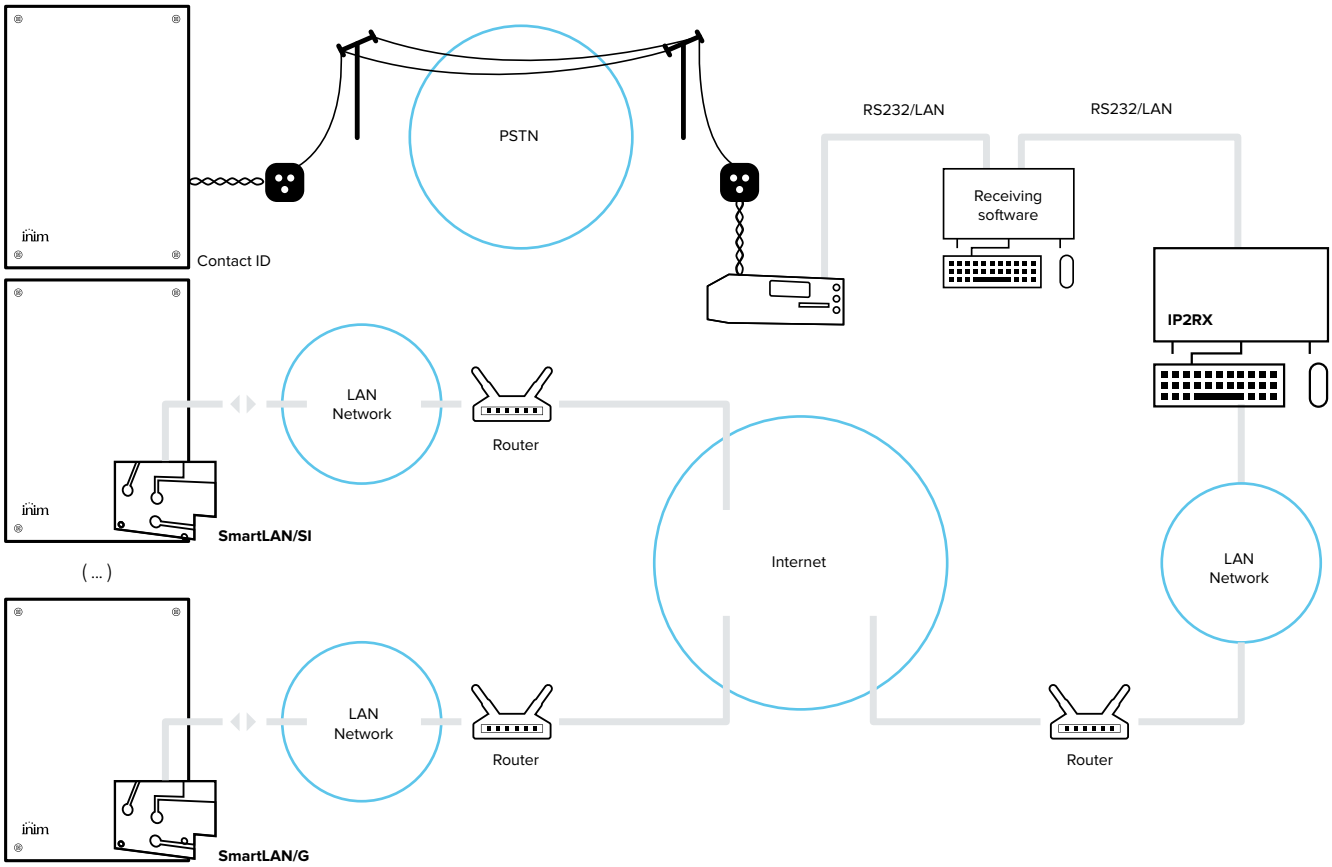
SoI/STUDIO

SoI intrusion control panel programming and supervising software

SoI/STUDIO is the programming and control application for the SoI wireless anti-intrusion control panel series. Up to the minute graphics, ease of use and powerful data setup tools and diagnostics are the cornerstones around which SoI/STUDIO was designed and built: for a new concept of totally wireless control panel. The entire section dedicated to devices has been overhauled and renewed to create clear, dedicated sections for enrolling, programming and management. A newly created wizard provides a guided tour of the programming section and allows the installer, via simple questions, to set up the basic system parameters in sequence.
In addition to the copy-paste functions, there is an absolute innovation in the effective multiple programming of objects which have the same parameters. In fact, it is possible to select zones, codes, partitions, events, etc., and program all these parameters in one go. For each object it is possible to get direct access to the programming of the events it can generate and, in the same way, step back to the object undergoing programming. Such ease of use and time saving benefits are truly exceptional. The diagnostics of the entire SoI/STUDIO system make a big difference by providing a complete, clear and interactive view of the status of all the system components. It is possible to view in real time the status of the zones, partitions, outputs, etc.; and for GSM devices, the GSM signal strength, the telephone network to which they are connected and any faults present.
There are many ways of enrolling wireless devices: using the classic ENROLL button on the devices; by means of the QR-code present not only on detectors but also on wireless-control devices, Aria/W keypads and Hedera sounders; in combination with the InimTechSecurity application and technology QuickGO and making use of a camera (PC or external). Enrolling wireless devices is really quick and easy. Even the diagnostics section has been extensively renewed: now it is possible check the wireless signal strength on each device, the battery charge status and noise level present in the protected location in order to evaluate the device placement.
SoI/STUDIO interfaces with SoI panels using multiple channels: via USB on the control panel board, using the optional module SoI-Lan/S for wired LAN connection, using the SoI-WiFi module for WiFi connection, using SoI-3G for connection to GSM or HDSPA networks with 2G and 3G technologies. Remote programming is also possible and the Cloud offers great advantages: in whatever place installers find themselves, as long as there is access to the Internet, they can schedule all their installations through their Cloud accounts without the worry of carrying out network programming. Through the SoI/STUDIO installers can save their own solutions to the Cloud and in this way have a valid backup database. In addition to the manuals for the installation, programming and use of control panels, SoI/STUDIO also contains a section for the firmware updates of the entire SoI system. For all registered installers, SoI/STUDIO can be downloaded free of charge from the reserved area of the www.inim.biz portal for functionality evaluation, however, the effective connection with SoI control panels will be allowed only to those installers who purchased the control panel from the official INIM distributor operating in the same territory as the installer company.

IP2RX

IP interfacing software between intrusion control panels and alarm receiving centres



The IP2RX is an advanced software application which allows and traditional alarm receiving centre (ARC) to receive IP communications from SmartLiving intrusion control panels.
This innovative software application transforms traditional ARCs (using PSTN landlines) into IP-capable ARCs. The application can be installed on either a dedicated computer or on the computer which runs the ARC supervisory software.
The IP2RX is capable of receiving SmartLiving generated SIA-IP signals transmitted over the Internet, and of converting them into comprehensible protocol signals for supervisory software, such as Ademco, Contact-ID, Radionics, etc. In this way, the alarm receiving centre will be able to continue using the same supervisory software which, thanks to the IP2RX application, will also be able to receive signals transmitted over the Internet.
The IP2RX allows you to create a list of supervised systems (Accounts) and to configure the typical parameters of each one, for example, the supervision time of the functionality test on the connection between the SmartLiving system and the ARC.

Furthermore, you can establish which channels each account will use to transmit data: LAN (SmartLAN/SI or SmartLAN/G) or the GPRS channel (Nexus/G). It is also possible to receive data from both communication channels.
The IP2RX is also capable of detecting Internet connection errors and of signalling them instantly to the ARC supervisory software, in such a way as to prompt immediate intervention for the restoral of connectivity.
Additionally, the IP2RX allows you to create a customized outgoing protocol. This feature allows the IP2RX to be easily integrated into ARCs with proprietary protocols.
In brief, the IP2RX software application is capable of translating SIA-IP protocol, sent by SmartLiving control panels via SmartLAN/SI, SmartLAN/G and Nexus/G devices, into a comprehensible protocol for ARC supervisory software. The simplicity of this application makes it a flexible and cost-efficient tool for the supervision of all installations and, moreover, allows you to avoid spending on obsolete yet very costly receivers.

ORDER CODES

IP2RX Software application for the conversion of SIA-IP protocols to other reporting formats.

SmartLook

Supervisory software

SmartLook is a centralizing-management software program for INIM fire detection and intrusion-control systems. It offers a vast application spectrum. Its modularity makes it ideal for industrial, commercial, home-automation and residential applications. A typical application is the centralized-supervision of several installations stationed in separate buildings or even different locations. Other classic applications are hotel receptions, congress centres, shopping malls and places where the constant supervision of a fire/security system allows operators, with the help of the essential information and a plan of action, to provide prompt response to alarm events. The SmartLook software program, thanks to its user-friendly interface also plays an important role in domotic installations. In fact, when it is combined with the management of a SmartLiving intrusion-control panel, a computer can actually become “house manager” and take full advantage of the true potential of the SmartLiving series control panels. For this purpose, it is possible to obtain the “lite” Intrusion licence which allows you to manage all the SmartLiving control panel functions and maximize the system capabilities. The SmartLook supervisory software uses graphic maps connected together in a “tree” structure. Each map accepts an arbitrary number of objects. The objects can be supervised elements (detectors, partitions, zones, outputs, etc.), a connection to another map, a connection to a web page (VCR web interface) or a command button with access level control. The system allows you to choose from 3 different notification levels for each event. The third notification level displays a fully-configurable page using HTML language (HyperText Markup Language). This makes the system completely configurable and consents to the insertion, for example, of Java applets which allow the operator to view the streaming of an IP camera. Thus permitting the operator to interact with the system in realtime. In intrusion control panels, for example, it will be possible for users/operators to control the status of the inputs, activate the outputs and implement operations such as: arm, disarm, bypass, output activation, etc. The SmartLook software integrates video capabilities and consents to the incorporation of telecameras and DVRs with IP network web interfaces. The SmartLook software is capable of importing the system configuration by reading it directly on the control panel, or importing it from the database of the SmartLeague software thus reducing programming time considerably. The system provides uncomplicated self-diagnosis functions which allow the operator to verify the status of communication between the software and control panels. It is also capable of managing different access levels. The SmartLook software comprises two separate applications. One application allows you to configure the system while the other, dedicated to the user, provides all the necessary supervisory functions.

Technical features

Minimum hardware requirements	Pentium 4 processors (3.2 Ghz) / Ram 2 GB / Audio board
Operative system	Windows 2000* Professional with Microsoft* Data Access Component (MDAC) / 2.8 or higher / Windows* XP, XP &4 Windows* Vista, Vista 64 / Windows* Seven, Seven 64 / Windows* 8, 8 64 / Windows* 8.1, 8.1 64/ Windows* 10, 10 64
Required hard disk space	500 MB
Maximum number of supervised control panels	25
Supervisory interface	RS232, Ethernet
Access level	Standard User, Supervisor, Administrator
Supported video resolutions	800x600, 960x600, 1024x600, 1024x640, 1024x768, 1152x964, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024

ORDER CODES

SmartLook/F01L Fire Licence “lite” - Licence to manage a SmartLoop or SmartLine fire detection panel. Non-expandable Licence.
SmartLook/F01E Licence to manage a SmartLoop or SmartLine fire detection panel. Expandable Licence.
SmartLook/F02E Licence to manage two SmartLoop or SmartLine fire detection panels. Expandable Licence.
SmartLook/F05E Licence to manage five SmartLoop or SmartLine fire detection panels. Expandable Licence.
SmartLook/F10E Licence to manage ten SmartLoop or SmartLine fire detection panels. Expandable Licence.
SmartLook/I01L Intrusion Licence “lite” - Licence to manage an intrusion control panel from the SmartLiving series. Non-expandable Licence.
SmartLook/I01E Licence to manage an intrusion control panel from the SmartLiving series. Expandable Licence.
SmartLook/I02E Licence to manage two intrusion control panels from the SmartLiving series. Expandable Licence.
SmartLook/I05E Licence to manage five intrusion control panels from the SmartLiving series. Expandable Licence.
SmartLook/I10E Licence to manage ten intrusion control panels from the SmartLiving series. Expandable Licence.

* Microsoft® and Windows® are the registered trademarks of Microsoft Corporation.

KB100

Wall-mount bracket for Concept keypads

The KB100 kit allows you to wire the Concept keypad using 6 installation-friendly terminals instead of the usual 6-wire method.

The KB100 includes the board with the 6 wiring-terminals and a plastic housing.

ORDER CODES

KB100-N Black wall-mount bracket and terminal board for the keypad.
KB100-B White wall-mount bracket and terminal board for the keypad.

AUXREL32 Relay and power supply distribution board
Provides 2 relays which can be driven separately by 2 open-collector outputs. Additionally, this board is capable of power distribution on 3 heat-fuse protected outputs. The type “L” metal enclosure of SmartLiving control panels provides housing for these boards.

REL1INT Single relay board
Transforms an open-collector output into a voltage-free contact. Operates at 12 or 24 V (selectable by means of a jumper). Provides 4 screw locations. Board dimensions: 45x35 mm.

STD241201 Step-down power-supply module @ 24Vdc - 12Vdc
Current reducer from 24V to 14V, ideally suited to drive the 12V devices (external sounderflashers, dialers, etc.) of fire detection control panels. Based on switching technology that offers high efficiency and low heat emission. Maximum output current 1A.

LINK232F9F9
RS232 cable link between PC and INIM devices.

LINKIBUS
Temporary cable link for I-BUS.

LINKUSBAB
USB cable link between PC and INIM devices.

TamperNO
Dislodgement tamper-protection device for SmartLiving control panels.

LINKUSB232CONV
RS232-USB convertor cable with adaptor.

ProbeTH
Thermal Probe for battery-charge optimization.

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