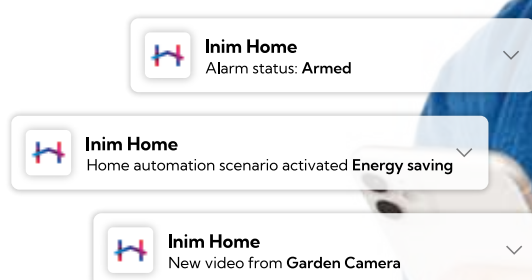




Security & Comfort

Integrated protection systems
and advanced home-automation





Inim is research and avant-garde

For over 20 years, we have been revolutionizing the security market with solutions designed to ensure protection, comfort, and optimal performance.

Technological innovation is our strength, the tool that drives change and our evolution.

Index

• Inim Cloud	6
• Intrusion-control panels.....	9
• Sol	10
• SmartLiving	14
• Prime	20
• PrimeX	26
• Keypads and Control devices	29
Alien	
Aria/HG	
Joy	
nCode	
Concept	
• Proximity readers and Tags	35
nBy/S	
nBy/X	
nBy/K	
nKey	
nBoss	
nCard	
• Home-automation expansion boards	39
Flex5/S	
Flex5/R	
Flex5/DAC	
Flex2R/2T	
UM105H	
SenseTH100/H	
SmartLogos30M	
IB200	
• Sounders for indoor and outdoor use	47
Ivy	
DS100	
NBR100	
Smarty	
• TCP/IP connectivity	53
SmartLAN	
PrimeLAN	
PrimeWiFi	
Nexus	
• Sensors and Detectors for indoor use	59
QTech product line	
• Sensors and Detectors for outdoor use	65
BXS-AM	
QXI-DT	
BDX series	
• Inim cameras and NVR – InVista Series	69
• Wireless devices and Accessories	70
• Communication and Ancillary power-supply	80
• Programming and Supervision softwares	85
• User and Installer applications	93
Inim Home	
InimTech Security	



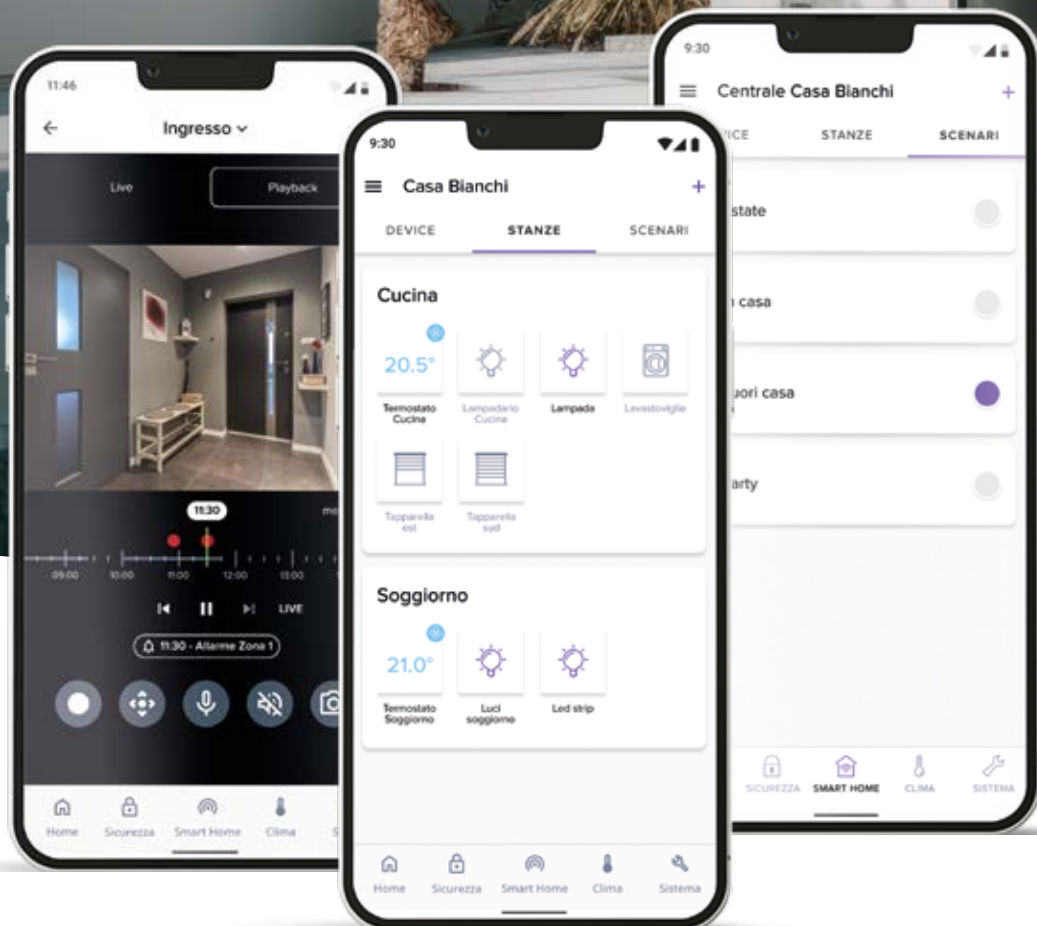


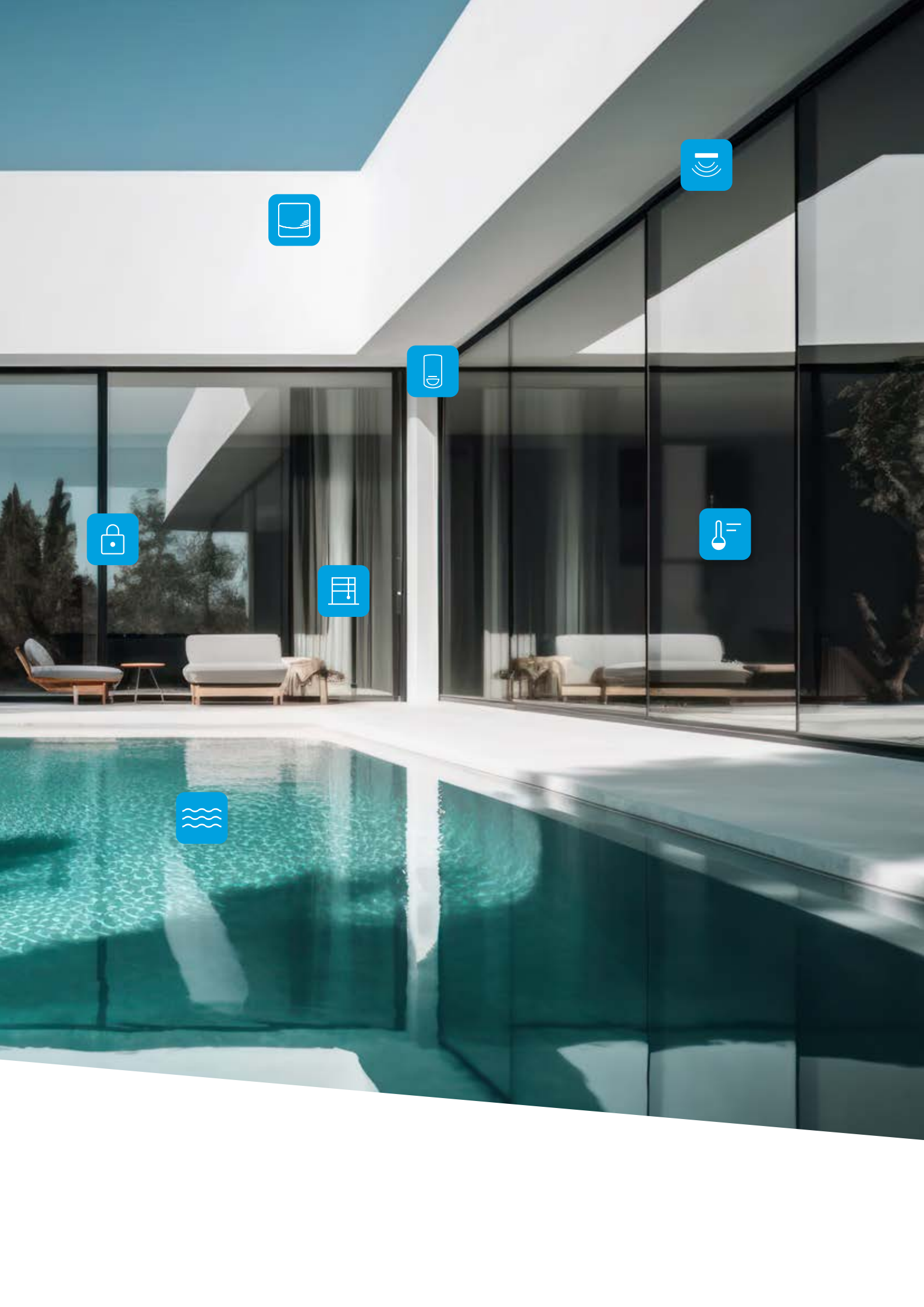
Security & Comfort



Security and functionality are two fundamental aspects of everyday life. Our Security & Comfort solutions focus on protecting public and private structures from intrusion, theft, and burglary attempts. Our intrusion detection systems use advanced technologies to ensure maximum security in every environment, both indoor and outdoor.

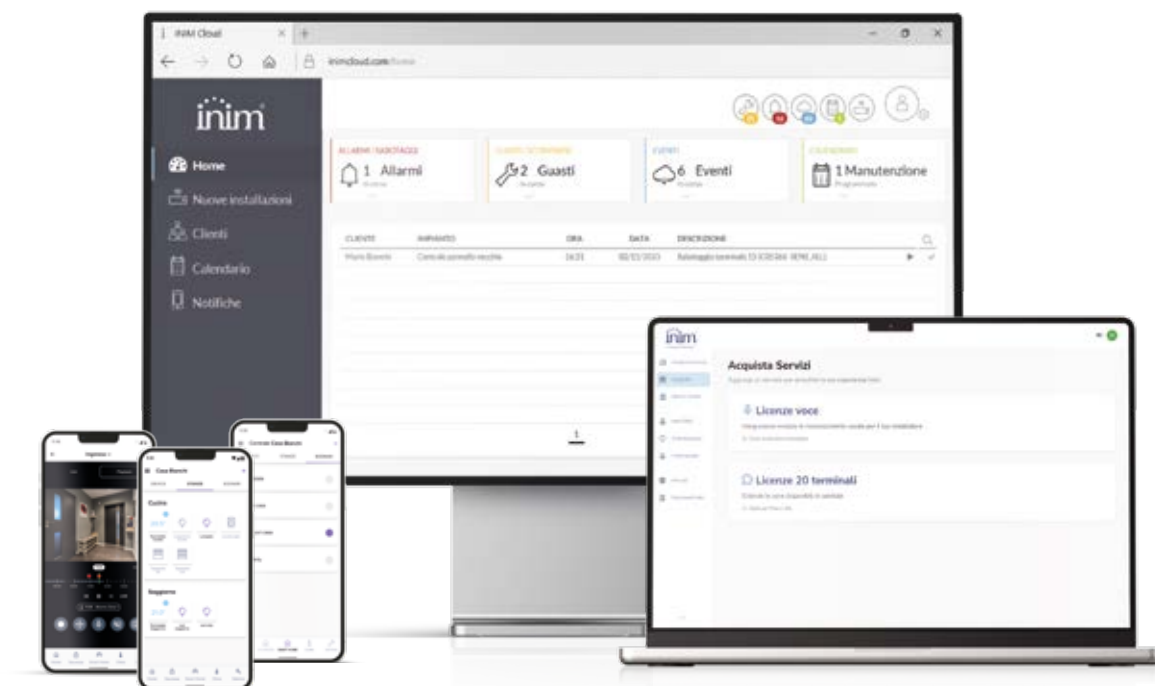
Additionally, we offer innovative home automation solutions that enable the automatic management of lights, temperature, gates, and windows, combining the efficiency of state-of-the-art intrusion technologies with the comfort of home automation.







Inim Cloud Always the forerunners



Inim Cloud is the computer infrastructure designed to ensure extreme autonomy of management and intervention for both the installer and the user, ensuring high-level performance and maximum data protection. The main innovation is the ability to connect the control panels directly to a common access point, simplifying the configuration and enabling remote management of security systems. Inim Cloud utilizes one of the most important data centers in Europe, ensuring bandwidth, computing power, and data storage. Moreover, in the event of disasters or natural calamities, it can be instantly replicated in another geographic area.



Self-service

The user can request services directly without the intervention of data infrastructure managers or service providers.



Global access

The services are accessible from multiple devices, locations, and at any time.



Heterogeneity

Inim Cloud supports access from various devices such as mobile phones, tablets, small home desktop computers, or large corporate servers.



Scalability and immediate elasticity

Resources can be adjusted to the user's actual needs.



Security

Inim Cloud provides intrinsic security, including data protection, encryption, resistance to attacks, and availability security through storage redundancy, network provider redundancy, power supply redundancy, and geographic redundancy.



Multi-user

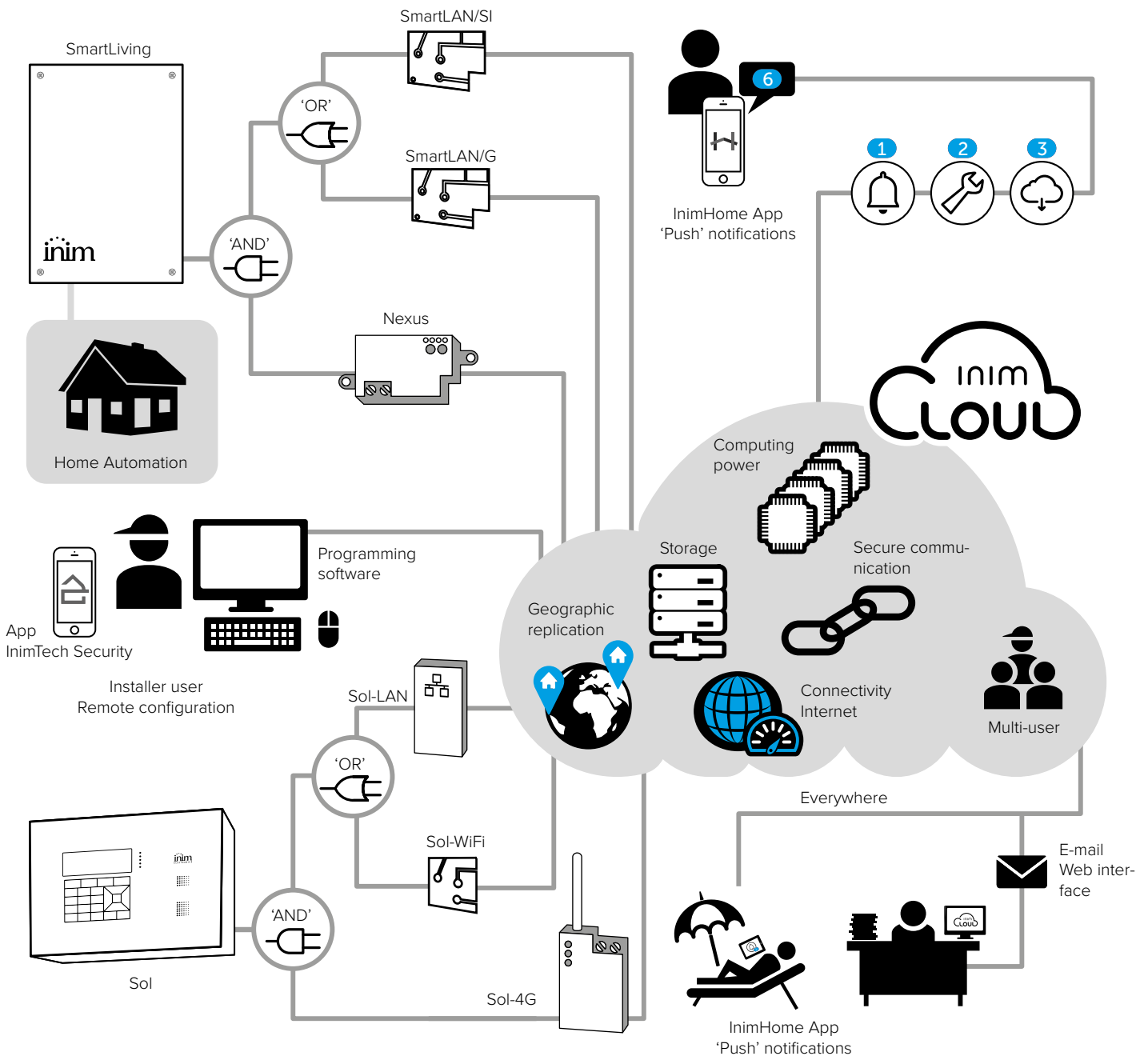
Resources are shared among multiple users.

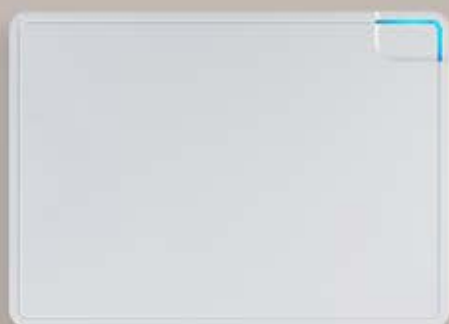


The installer optimizes time and management with Inim Cloud. They no longer need to modify the network configuration or perform port forwarding. Now, the only access-point is the MyInim portal (www.my.inimcloud.com). Thanks to the "Plug and Play" connection, the control panels connect automatically. The installer can monitor the system's status, view faults, and schedule interventions.



With Inim Cloud, **the user** has full control of their systems and can interact with them through the MyInim Cloud portal (www.my.inimcloud.com) or by means of the InimHome App. They can manage the security system, activate outputs, adjust thermostats, and view events. Push or email notifications are configurable. The InimHome app offers the possibility to manage multiple systems simultaneously and supports multi-user access. Additionally, it provides real-time updates through convenient push notifications directly to your smartphone or tablet.





Intrusion Security Systems and Home Automation

The perfect blend of technology and functionality

Inim intrusion control panels are equipped with advanced technologies and a wide range of features to effectively meet various installation and management needs for alarm and security systems in residential, private, commercial, or public structures.

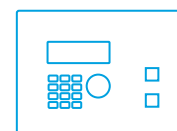
The extensive range of Inim offerings allows you to find the perfect solution both in terms of the size of the site to be protected and the type of protection, whether wired, wireless, or hybrid.

Advanced connectivity, remote management from the cloud and app, full integration with the most innovative home automation systems, modular structure, reliability, and adherence to the highest quality standards: our burglar alarm control panels are designed to ensure extreme flexibility and rapid installation. Additionally, they offer intuitive management through specially designed user interfaces, such as touch screen displays, apps, integrations with voice systems like Google Assistant, Amazon Alexa, and many other functions.





Sol



Wireless intrusion-control panel: the all-in-one professional system

High design and ease of installation are the fundamental features of Sol, designed for small to medium-sized residential and commercial installations. Two-way wireless and modular structure to manage Inim wireless devices (detectors, magnetic contacts, sounder/flashers, keypads, remote controls) and optional connectivity modules: PSTN, GSM/LTE, LAN and WiFi. The onboard equipment includes a relay, two terminals for wired detectors or devices, a BUS for an additional reader and/or transceiver. Activating Sol is extremely easy thanks to QuickGO technology and the InimTech Security app, which allows for quick programming of wireless devices and numerous functional parameters. CloudReady: Sol is connected to Inim Cloud and can be managed directly through the App, both for the installer and the end user.



TECHNICAL SPECIFICATIONS	SOL/S	SOL/G
Power supply voltage:	100 – 240 Vac -15% +10%, 50-60Hz	
Dimensions:	26.6 x 19.7 x 5.1 cm	
Weight:	110 g	
Maximum voltage on BUS and +AUX terminal:	0.3 A	
Power for battery charging:	1 A	
LCD screen	-	Yes
Number of terminals:	30	
Number of partitions:	5	
Compliance:	EN50131 Grade 2	



Secure market

Inim protects professional installers. The intrusion control panels are professional products for identified installers, who have dedicated training courses and continuous updates.



Enhanced wireless system

Sol allows overcoming any installation limit; its radio range covers a distance of up to 4.5 km in an open field.



Inim Cloud

Inim Cloud platform for system management and User and Installer Apps with push notifications.



Two-way technology

Two-way wireless transmission for a reliable communication



QuickGO technology

Installation and programming are immediate. Through the InimTech Security app, you can scan and enroll a device simply by scanning the QR code.



Ease of use

Thanks to the Easy4U technology, system configuration is simplified, and the user can enjoy an intuitive user experience.



WideConnect

Broad and versatile connectivity: PSTN, LAN, WiFi, 2G/3G/4G-GSM/LTE. A constantly connected system for limitless management.



Available models

Sol/S

Front plate equipped with 7 status/fault signalling LEDs but no keypad.

Sol/G

Front plate equipped with touch-sense keypad, monochrome LCD screen and 4 status/fault signalling LEDs.





Main features

Control panel

2 models available

Management of up to 30 devices: PIR detectors, Dual Technology detectors, magnetic contacts, smoke detectors, outdoor sounder/flashers, keypads

2 types of front plate: graphic LCD screen and capacitive touch keypad, LED interface

170° front plate opening 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 front plate

Internal piezoelectric sounder

I-BUS terminals for connection of extra transceiver and/or proximity reader

Optional modules

PSTN: voice calls or via ARC analogue protocols over hardwired PSTN lines

2G/3G/4G 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

Remote control

InimHome 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

Sol/STUDIO*, control panel programming software

Push notifications for faults, tamper and much more

Centralized management of each system via Inim Cloud

868 Mhz bidirectional: wireless reception and transmission of alarm signals

Cloud: Inim Cloud platform connectivity

Power supply voltage

1.5A power supply

NiMH backup battery 7.2V 2.2Ah

Programmable 12 V DC power-supply terminal

ORDER CODES

Sol-30S	Up to 30 devices, LED front plate
Sol-30G	Up to 30 devices, graphic LCD screen and touch keypad
Sol-LAN/S	LAN interface
Sol-PSTN	PSTN interface
Sol-2G	GSM 2G interface
Sol-3G	GSM 3G and 2G interface.
Sol-4G	GSM 4G, 3G and 2G interface.
Sol-WiFi	WiFi interface
Smatlogos30M	Voice board (already in catalogue)

General features

	Sol-30S	Sol-30G
Partitions	5	
Wireless zones	30	
LCD display keypads	0	1
Wireless terminals	8	
Wireless sounder/flasher	8	
Voice memo slots	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	
Possible key combinations	4294967296	
Sol-2G/3G/4G (GSM/GPRS/2G/3G/4G communicators)	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 configurable as inputs/outputs/roller blind/shock	2	

Optional modules



Sol-LAN/S



Sol-PSTN



Sol-4G



Sol-WiFi

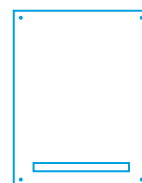


Smatlogos30M



SmartLiving

Hybrid Intrusion Control Panel for Security Systems



A hybrid system, wired and two-way wireless, modular, flexible and easy to program. SmartLiving is the simple solution for residential and small commercial installations. Various peripherals on BUS, all terminals individually programmable as inputs or outputs, programmable intervention thresholds, integrated PSTN connectivity, and optional LAN as well as GSM/LTE. Inim Cloud and installer and user Apps for supervision and management of the system. LCD and color touch-screen keypads for customized maps, light dimming, programmable thermostats, auto-arming, wireless devices, and programmable automations for maximum flexibility. All models are certified compliant with European standards EN50131 EN50131-3 EN50131-6 CEB T031.



TECHNICAL SPECIFICATIONS	505	515	1050 and 1050/G3	1050L and 1050L/G3	10100L and 10100L/G3
Power supply voltage:	230 Vac -15% +10%, 50-60 Hz				
Dimensions:	30.5 x 22 x 8 cm			50 x 38 x 9.5 cm	
Weight:	2.5 Kg			5.3 Kg	
Maximum total output current:	1.2 A		3 A		5 A
Number of terminals:	5	15	50		100
Number of partitions:	5		10		15
Certifications:*	IMQ – EN50131 Grade 3				

* 1050/G3, 1050L/G3, 10100L/G3 models only.



Inim Cloud

Inim Cloud service for configuration and management of the intrusion-control system via browser and App. For a complete and remote control.



Ease of use

Thanks to Easy4U technology, system configuration is simplified, and the user can enjoy an intuitive user experience.



WideConnect

Broad and versatile connectivity: PSTN, LAN, 2G/3G/4G-GSM/LTE. A system always connected for limitless management.



Customization

A wide range of customization options to provide flexible configuration of functions and the user interface.



Wide range of models

A wide selection of models, including those compliant with Grade 3 standards, to manage a variable number of terminals and meet all security needs.



Available models

SmartLiving505

Intrusion control panel with 5 terminal, 5 partitions

SmartLiving515

Intrusion control panel with 5 to 15 terminals, 5 partitions

SmartLiving1050 – SmartLiving1050/G3

Intrusion control panel with 10 to 50 terminals, 10 partitions

SmartLiving1050L – SmartLiving1050L/G3

Intrusion control panel with 10 to 50 terminals, 10 partitions

SmartLiving10100L – SmartLiving10100L/G3

Intrusion control panel with 10 to 100 terminals, 15 partitions





Main features	SMARTLIVING				
	505	515	1050 1050/G3	1050L 1050L/G3	10100L 10100L/G3
Hardware features					
Maximum number of mappable or relocatable terminals in the system ¹	5	15	50	100	
On-board terminals (which can be configured as input/output)	5 (0)	5 (0)	10 (5)	10 (5)	
Programmable relays on the main board	1	1	1	1	
Programmable open-collector outputs on the main board	2 (150mA)		2 (500mA)		
Manageable partitions	5		10	15	
Relay and power-diffusion board (AuxRel32)	–	–	–	Yes	
IP Connectivity management (using SmartLAN/SI and SmartLAN/G)	Yes				
Digital communicator with SIA-IP protocol (SmartLAN/SI, SmartLAN/G, Nexus/G, 3G, 4G options)	Yes				
Housing for Flex5 expansion board in the enclosure	–	–	–	Yes	
Housing for Nexus GSM device in the enclosure	Yes				
Power supply	1.2A	1.2A	3A	5A	
RS232 port	Yes				
Power charge monitored by temperature probe (ProbeTh accessory item)	Yes				
Battery efficiency test	Yes				
Reprogrammability of control panel firmware	Yes				
Peripheral-firmware upgrading capability via control panel	Yes				
Housing	Metal enclosure				
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
Devices on I-Bus					
Peripheral self-learning on the I-Bus	Yes				
Aria H/G, nCode/G, Concept/G, Alien/S and G and Joy keypads ²	5		10	15	
nBy proximity readers manageable ³	10		20	30	
Flex5 5-terminal expansion boards manageable	4	10	20	40	
Ivy-B sounder	10				
Air2 transceivers manageable (with automatic channel search)	4	10	20	30	
2G/3G/4G communicators (Nexus)	1				
Air2 series wireless devices					
MC200/S, MC300 magnetic contacts, QIR200W infrared detectors, QDT200W and QDT600W dual technology detectors, and FD100 smoke detectors, UT100/S universal transceiver, BXS-RAM and QXI-RDT outdoor detectors	5	15	50	100	
Aria/W wireless keypads for each BS200	4				
Hedera wireless sounder/flashers for each BS200	4				
Remote control keyfobs (KF100/S, Pebble/S, Ergo/S) ⁴	50		100	150	
Authentication					
Installer codes	2				
User codes (with associated timers)	30		50	100	
nKey tag or nCard proximity card (with associated timers)	50		100	150	
Telephone communication					
Telephone contact numbers (10 up to 3.0x version)	15				
Phone line availability check	Yes				
Automatic voice communicator (SmartLogos30M option, see also voice functions)	Yes				
Integrated automatic digital communicator (Contact ID, SIA, pulse)	Yes				
Integrated remote programming modem	Yes				
Input terminals (zones)					
Self-learning of zone balancing ⁵	Yes				
Management of two separate zones on each input terminal	Yes				
Input terminals on the control panel for shock and roller blind sensors	2				
Input terminals on keypad (also for shock and roller blind sensors)	2 for Joy Max and Aria/HG, 1 for nCode/G and Concept/G				
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 ⁵	Yes				



Main features	SMARTLIVING				
	505	515	1050 1050/G3	1050L 1050L/G3	10100L 10100L/G3
Additional functions with optional components					
Advanced voice functions with SmartLogos30M board on Joy/MAX, Aria/HG and Alien keypads (Keypad-to-keypad intercom, Voice mailbox, Remote Listen-in function with choice of position)			Yes		
GSM functions with Nexus module			Yes		
GPRS functions and SIA-IP connectivity with Nexus module			Yes		
TCP-IP connectivity with SmartLAN/SI board			Yes		
TCP-IP connectivity and web-server functions with SmartLAN/G			Yes		
Management via InimHome and InimTech Security apps from smartphones or tablets			Yes		
Inim Cloud services			Yes		
Other features					
Weekly timer with two time slots per day (each with 15 exception periods)		10			20
Manual, daily and weekly programmable thermostats with antifreeze feature (Joy/MAX, Alien/S, Alien/G, Air/HG)	5		10		15
Programmable events with timer and counter management (4.00 version or higher)	10		20		50
Management of summer/winter time			Yes		
Programmable arming scenarios (settings for partition status)			30		
Programmable output scenarios			50		
Types of shortcuts for immediate actions			38		
Programmable icons			50		
Number of events that can generate actions	410	480	890		1480
Events memory		500			1000
Choice of events to memorize			Yes		
Compressed event storage			Yes		
Management of shortcuts via function keys (12) and number keys (10) on keypads Joy, Aria/W, Aria/HG, Concept			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		
User-friendly programming software (runs under Windows)			Yes		

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 – Total number obtained by adding up the hardwired terminals and the wireless terminals.

2 – The sum of the keypads on the I-BUS and wireless keypads must be ≤ 10, 15, 15.

3 – The sum of the nBy readers, of the BS200 transceivers and of the readers integrated in the Joy/Max, Alien, Aria/HG keypads must be ≤ 10, 20, 30.

4 – The sum of the remote-control keyfobs and tags must be ≤ 50, 100, 150.

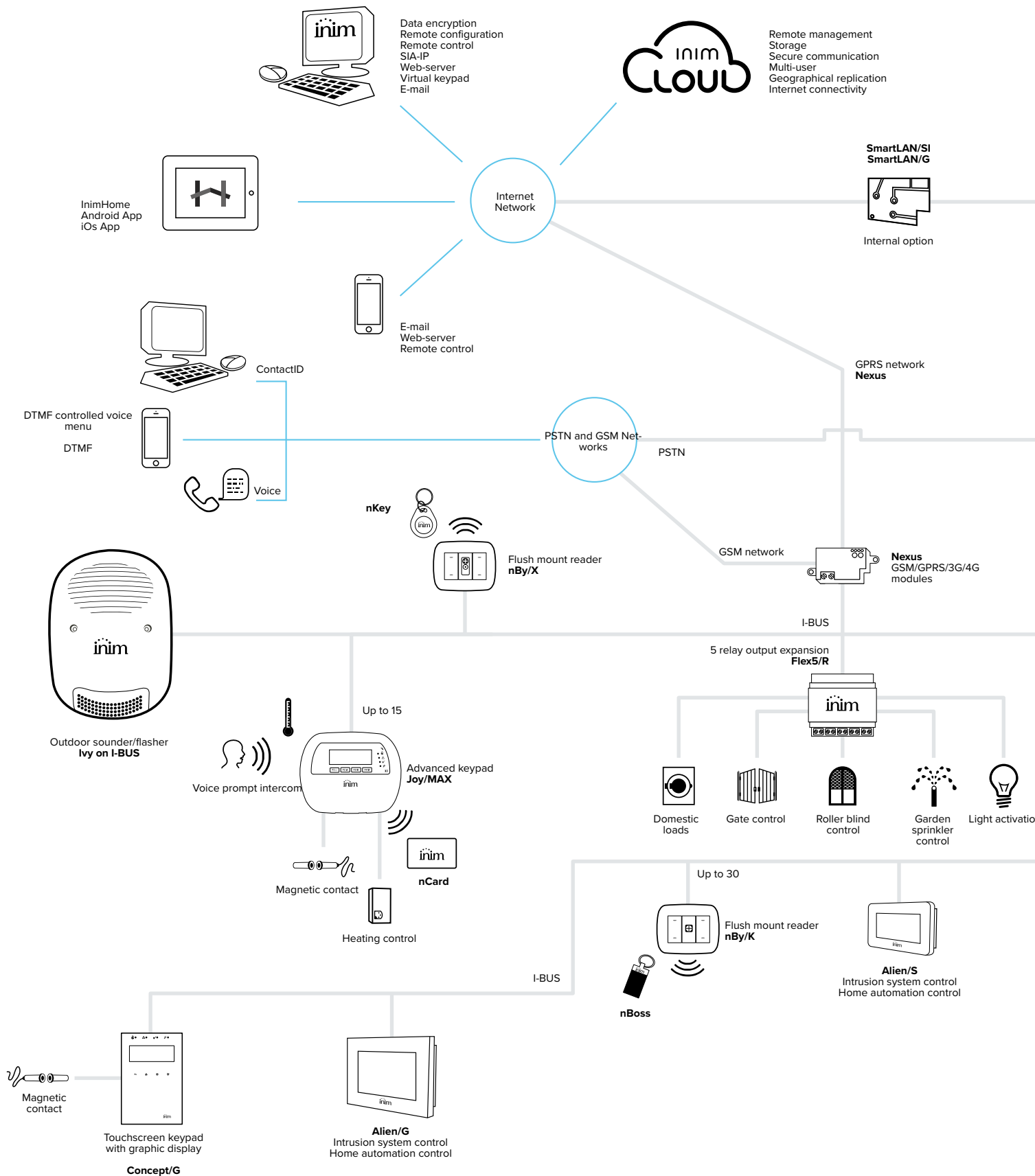
5 – Patent Pending.

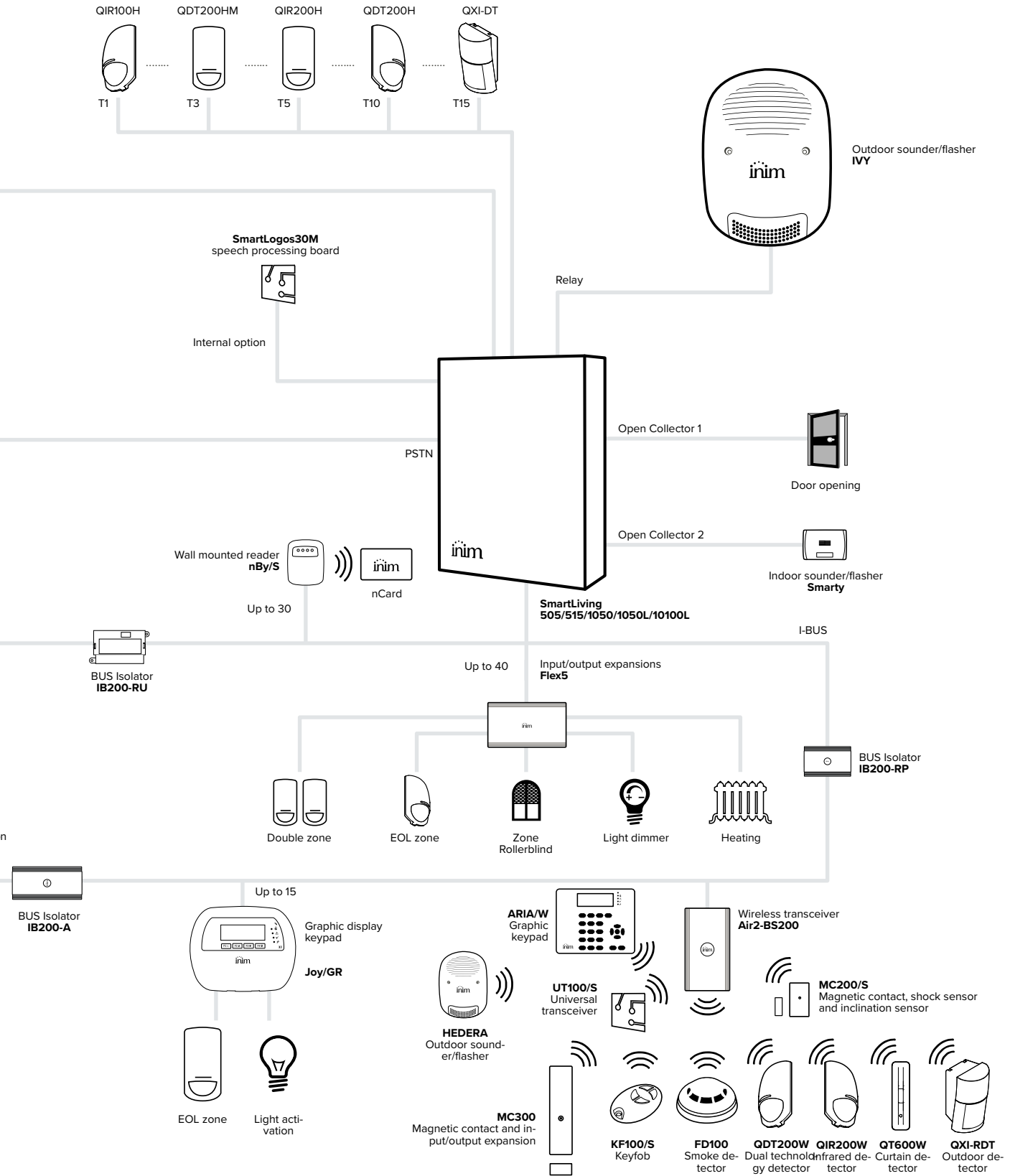
ORDER CODES

SmartLiving505	Intrusion control panel with 5 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving515	Intrusion control panel with 5 to 15 terminals, 5 partitions, 1.2A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050	Intrusion control panel with 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050L	Intrusion control panel with 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving10100L	Intrusion control panel with 10 to 100 terminals, 15 partitions, 5A power supply, optional connectivity over GSM/GPRS and TCP/IP.
SmartLiving1050/G3	Intrusion control panel with 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP. EN50131-6 grade 3 certified.
SmartLiving1050L/G3	Intrusion control panel with 10 to 50 terminals, 10 partitions, 3A power supply, optional connectivity over GSM/GPRS and TCP/IP. EN50131-6 grade 3 certified.
SmartLiving10100L/G3	Intrusion control panel with 10 to 100 terminals, 15 partitions, 5A power supply, optional connectivity over GSM/GPRS and TCP/IP. EN50131-6 grade 3 certified.



The SmartLiving System

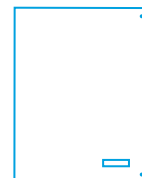






Prime

Professional hybrid control panel for security and home automation systems



Prime offers a single solution for intrusion protection and home automation functions, for medium to large-sized or complex installations in residential, commercial, and industrial settings. The system can manage up to 500 input/output terminals, 30 partitions, 500 users and 500 tags/remote-control devices. With the integration of both wired and wireless Inim peripherals, Prime offers maximum potential and flexibility. It includes graphic maps on color TFT keypads, dedicated devices for the integrated management of motorized shutters, air conditioning, and lighting points, light dimming, programmable automations, and high-power supervised power supplies. Prime supports advanced connectivity with LAN and PSTN integrated in the control panel, as well as GSM/LTE and Wi-Fi options. Its modularity, flexibility, and ease of programming allow it to meet all the specific requirements of the customer. All models are certified to Grade 3 of EN50131 EN50131-3 EN50131-6 CEB T031 European standards.



TECHNICAL SPECIFICATIONS	60 -S	60 L	120 L	240 L	500 L
Power supply voltage:	230 Vac -15% +10%, 50-60 Hz				
Dimensions:	27 x 37 x 8.6 cm	37 x 46 x 9 cm			
Weight:	3.2 Kg	5 Kg			
Maximum total output current:	3.2 A	6.2 A			
Power for battery charging:	1.2 A				
Number of terminals:	60	120	240	500	
Number of partitions:	10	20	30		
Certification:	IMQ – EN50131 Grade 3				



Secure market

Inim protects professional installers. The intrusion control panels are professional products for identified installers, who have dedicated training courses and continuous updates.



Inim Cloud

Inim Cloud service for configuration and management of the intrusion-control system via browser and App. For a complete and remote control.



WideConnect

Broad and versatile connectivity: PSTN, LAN, WiFi, 2G/3G/4G-GSM/LTE. A constantly connected system for limitless management.



Integration

Integration without API https, KNX, Modbus, Onvif, Cias perimeter detectors and InVista TVCC systems for a fluid and secure connection between devices and various platforms, improving the interoperability and the flexibility of the system.



Advanced Home-automation

Advanced features of home-automation for the intelligent control of each environment and customize it according to the habits of each user.



High performance

and high performance for system of large applications, up to 500 terminals, guaranteeing an optimal functioning and an effective management.

Available models

Prime060S

Intrusion control panel with 10 to 60 terminals, 10 partitions

Prime060L

Intrusion control panel with 10 to 60 terminals, 10 partitions

Prime120L

Intrusion control panel with 20 to 120 terminals, 10 partitions

Prime240L

Intrusion control panel with 30 to 240 terminals, 10 partitions

Prime500L

Intrusion control panel with 30 to 500 terminals, 10 partitions





Main features	PRIME				
	60S	60L	120L	240L	500L
Hardware features					
Maximum number of mappable or relocatable terminals in the system ¹	60	60	120	240	500
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 test	Yes				
InimHome User App 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 housing	Yes				
Dimensions (HxWxD)	27.5x37.4x8.6 cm	37.5x46.6x9.2 cm			
Weight (without battery)	3.2 Kg	5 Kg			
Devices on I-Bus					
Peripheral self-learning on the I-Bus	Yes				
Joy, nCode/G, Concept/G, Alien/S, Alien/G, Aria/HG Keypads ²	10	15	30		
nBy proximity readers ³	20	30	60		
Flex5 5-terminal expansion boards	100				
Ivy sounder/flashers	10				
Air2 - BS200 transceivers (with automatic channel search)	20	30			
Nexus dialer	1				
Isolators	16				
Temperature probes	15				
Home-automation modules	30				
Air2 series wireless devices					
MC200/S, MC300 magnetic contacts, QIR200W infrared detectors, QDT200W and QDT600W dual technology detectors, and FD100 smoke detectors, UT100/S universal transceiver, BXS-RAM and QXI-RDT outdoor detectors ³	60	120	195		
Aria/W wireless keypads for each BS200 ²	4				
Hedera and Smarty/W wireless sounder/flashers for each BS200	4				
Remote control keyfobs (KF100/S, Pebble/S, Ergo/S) ⁴	150				500
Authentication					
Installer codes	2				
User codes (with associated timers)	50	100	500		
nKey tag or nCard proximity card (with associated timers) ²	150				500
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				



	60S	60L	120L	240L	500L
Input terminals (zones)					
Self-learning of zone balancing ⁵			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 Aria/HG, 1 for Concept and nCode/G			
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 ⁵			Yes		
Additional functions with optional components					
Advanced voice functions with SmartLogos30M board			Yes		
GSM functions with Nexus, Nexus/G, 3G and 4G modules			Yes		
GPRS functions and SIA-IP connectivity with Nexus/G, 3G and 4G 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, Aria/HG keypads)			Yes		
Management of summer/winter time			Yes		
Automatic date/time update with NTP			Yes		
Programmable arming scenarios		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		
Programmable events with timer and counter management		30	50	60	
Choice of events to memorize			Yes		
Management of shortcuts via function keys (12) and number keys (10) on Joy, Aria/W and Aria/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		
User-friendly programming software (runs under Windows)			Yes		
Certifications					
	60S	60L	120L	240L	500L
EN50131-3			Grade 3		
EN50131-6			Grade 3 - AT56		

1 – Total number obtained by adding up the hardwired terminals and the wireless terminals.

2 – The sum of the keypads on the I-BUS and wireless keypads must be <= 10, 15, 15, 30.

3 – The sum of the nBy readers, of the BS200 transceivers and of the readers integrated in the Joy/Max, Alien, Aria/HG keypads must be <= 20, 30, 30, 60.

4 – The sum of the remote-control keyfobs and tags must be <= 100, 150, 150, 500.

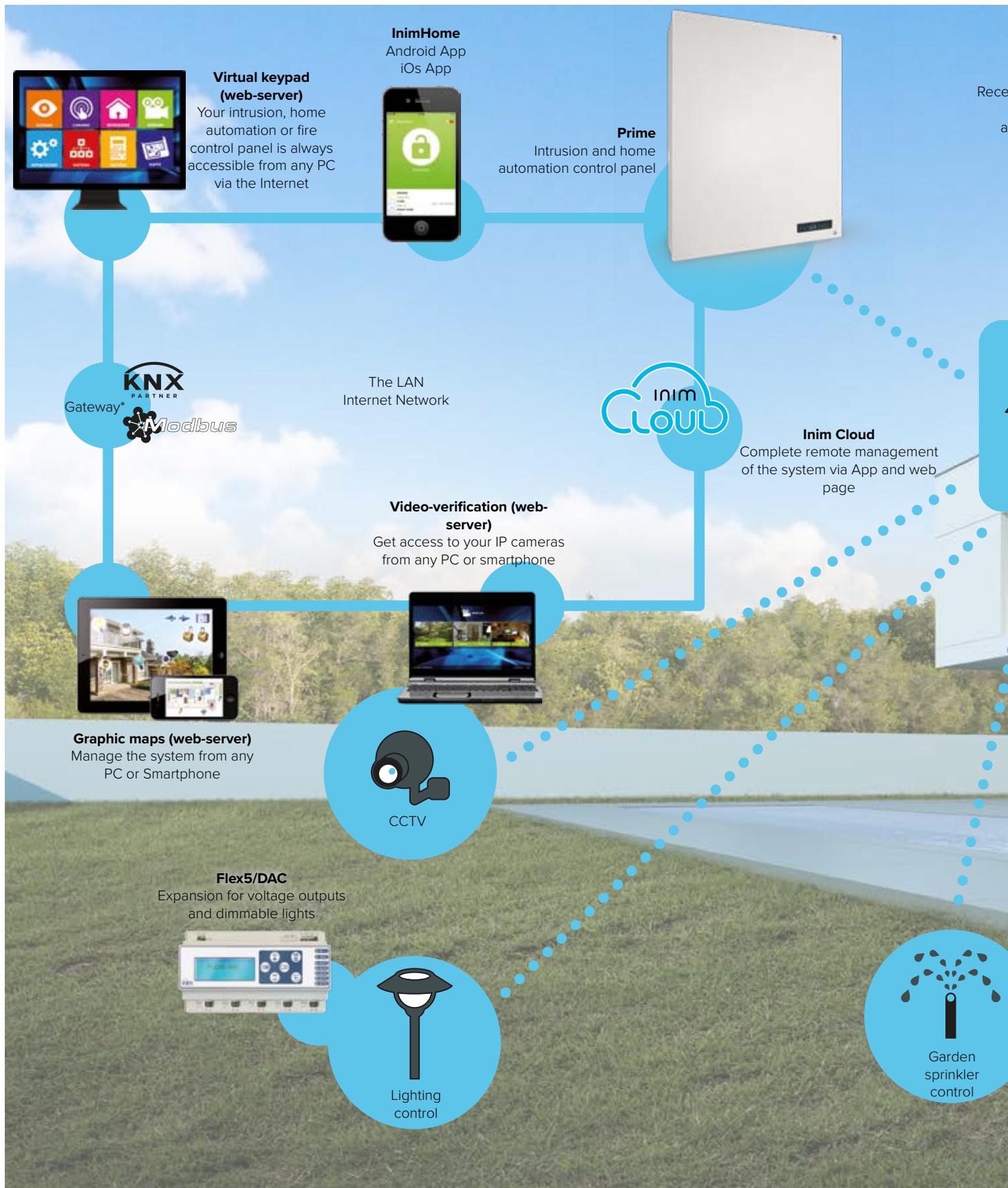
5 – Patent Pending.

ORDER CODES

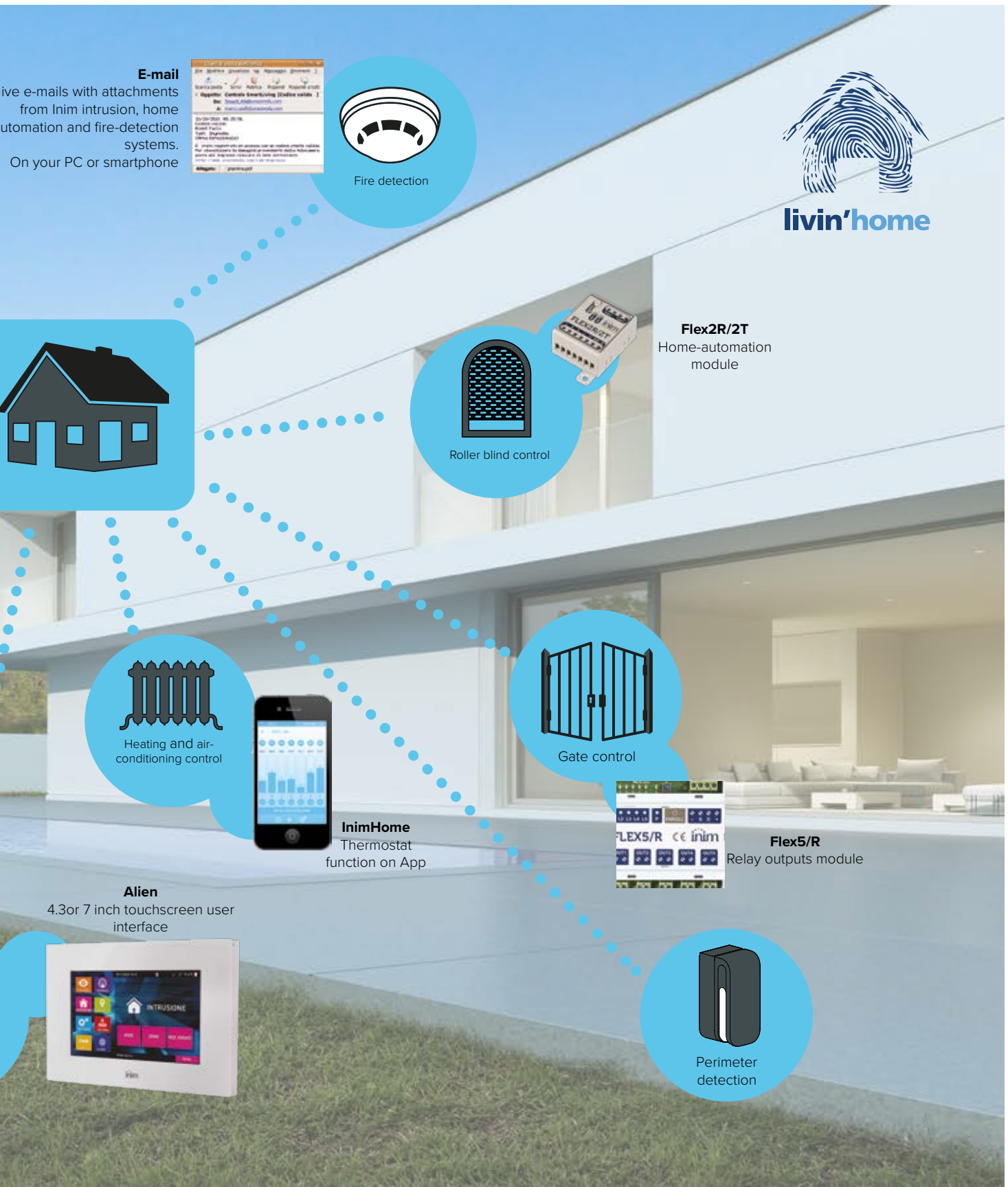
Prime060S	Intrusion control panel with 10 to 60 terminals, 10 partitions, 3.7 A power supply, TCP - IP connectivity and compliant with EN50131-6 and EN50131-3 Grade 3.
Prime060L	Intrusion control panel with 10 to 60 terminals, 10 partitions, 6.2 A power supply, TCP - IP connectivity and compliant with EN50131-6 and EN50131-3 Grade 3.
Prime120L	Intrusion control panel with 10 to 120 terminals, 20 partitions, 6.2A power supply, TCP - IP connectivity and compliant with EN50131-6 and EN50131-3 Grade 3.
Prime240L	Intrusion control panel with 10 to 240 terminals, 30 partitions, 6.2A power supply, TCP - IP connectivity and compliant with EN50131-6 and EN50131-3 Grade 3.
Prime500L	Intrusion control panel with 10 to 500 terminals, 30 partitions, 6.2A power supply, TCP - IP connectivity and compliant with EN50131-6 and EN50131-3 Grade 3.
PrimeLAN	Ethernet interface for connection to the Internet with TCP/IP protocol, e-mail sending, web-server function and digital communicator with SIA-IP standard.
PrimeWi-Fi	Wi-Fi interface for Prime control panels for connection to the Internet with TCP-IP protocol.



Prime System: home automation the Inim way



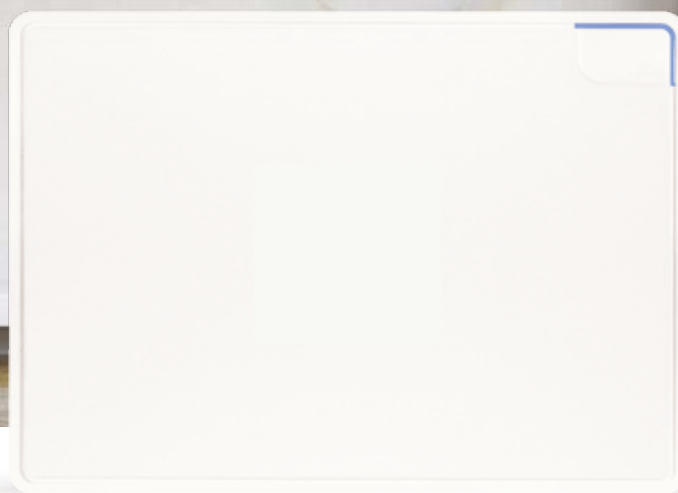
* KNX and Modbus are registered trademarks.





The control panel that revolutionizes residential security

PrimeX inherits all the potential of the Prime system to adapt to medium and small-sized residential and commercial installations that require high performance and innovative design. PrimeX is also a hybrid, wired + two-way wireless system that integrates all Inim peripherals. Supplied in an elegant plastic casing, provides all-in-one installations: control panel, wireless, connectivity, all enclosed within the elegant plastic box. PrimeX also proposes a new commercial approach: for the extension of the system (terminals and voice functions) licenses will be used that activate the desired expansion. Three basic models with 20 terminals and 5 partitions, expandable via licenses, are available. They differ only in connectivity options: LAN, LAN/WiFi, LAN/Wi-Fi and GSM/LTE. Each model can be equipped with a GSM/LTE communicator on BUS. The system can be managed via App, both for installers and users, and via Inim Cloud.



TECHNICAL SPECIFICATIONS	PRIMEX/LAN	PRIMEX/LW	PRIMEX/LWG
Power supply voltage:	100 – 240 Vac -15% +10%, 50–60 Hz		
Dimensions:	25 x 35 x 8 cm		
Weight:	1.6 Kg		
Maximum total output current:	3.1 A		
Power for battery charging:	0.8 A		
Number of terminals:	20 (expandable to 40 through licence)		
Number of partitions:	10		
Connectivity:*	LAN	LAN + WiFi	LAN + WiFi + GSM/LTE
Compliance:	EN50131 Grade 3		

* An on BUS Nexus 4G can be added to all available models.



Secure market

Inim protects professional installers. The intrusion control panels are professional products for identified installers, who have dedicated training courses and continuous updates.



Inim Cloud

Inim Cloud service for configuration and management of the intrusion-control system via browser and App. For a complete and remote control.



WideConnect

Broad and versatile connectivity: LAN, WiFi, 2G/3G/4G-GSM/LTE. A constantly connected system for limitless management.



Modularity

Multifunctional plastic box: allows you to integrate the radio transmitter and the LTE communicator. Depending on the model, LAN and Wi-Fi modules are also available, for a complete and flexible system.



Design

Elegant and functional, it adapts to any environment. The compact shape and the plastic box simplify installation. A light element indicates the system status.



Scalability

The licensing system allows you to increase the number of terminals and activate voice functions at any time, even after installation, without having to replace the control panel.



Revolutionary performance

It revolutionizes residential and commercial security, bringing the performance of large systems even to medium and small-sized systems.



Available models

PrimeX/LAN

Intrusion control panel with 20 terminals expandable to 40 through licence LAN connection

PrimeX/LW

Intrusion control panel with 20 terminals expandable to 40 through licence LAN + WiFi connection

PrimeX/LWG

Intrusion control panel with 20 terminals expandable to 40 through licence LAN + WiFi + GSM/LTE connection





Keypads and Control devices

Advanced features and minimal design

Keypads are among the main elements with which the user interfaces with the system and must integrate perfectly with the environment in which they are inserted. For this, Inim has created devices that create the perfect combination of form and function: an elegant solution for the management of security and home automation systems in homes, public and corporate structures.

Inim keypads offer complete and intuitive control of alarm systems through graphic maps that reproduce the surrounding environment. This real-time representation of the operating status of the alarm system allows you to have the security of your environment always under control, making system management even simpler and more effective.

Furthermore, thanks to perfect integration with the home automation system, the keyboards allow you to manage not only the security system, but also all the home automation functions connected to it. Through the “built-in” temperature sensor it is possible to regulate the air conditioning of the room.

In summary, Inim keyboards are the ideal choice for those looking for an elegant and modern control system for security and home automation. With their combination of attractive design and advanced features, these keyboards offer uncompromising reliability and ease of use.





Alien/G and Alien/S

Alien touch-screen user interface



EN 50131-1
EN 50131-3
CEB T031



Alien/SB

Alien/GN

Alien, the touch-screen user interface the security and home-automation 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. With Alien everything is simple and clear. Alien explains itself. All writing is large and clear. 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. The Alien is a colour touch-screen user interface with a 4.3 or 7 inch display. Above all, the 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. It closely resembles that of the most prestigious smartphones on the market and like smartphones the Alien offers users a vast array of options for

the customization of the graphic interface to suit personal tastes and requirements. The Alien provides three skin options (Young, Elegant or Soft) and allows users to customize the background. In addition to brightness and contrast, the user can also adjust image transparency to create a more pleasing graphic effect. The Alien integrates a microphone and a loudspeaker that offer interesting voice functions. The Alien is in fact capable of guiding the user through the arming and disarming phases, of warning the user of the occurrence of events and also of allowing those present in different parts of the premises to communicate via the intercom application. In addition to the voice functions, the Alien has a sensor for room-temperature readings and a proximity reader. The temperature sensor provides visualization of the room temperature and management of the chronothermostat 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.

The Alien keypad has an SD card slot (up to 32GB) for storage of photos and images which can be scrolled in photo-frame mode.

The Alien can be programmed through Inim system programming

software. What is more, the Alien has a USB interface that can be used for the programming of the entire system it is connected to thus avoiding the need to open the control panel enclosure. The installer can however access the system programming menu via the Alien touch-screen and have a vast menu with traditional-keypad programming functions. The interface between the Alien touchscreen and the control panel is achieved through Inim's traditional I-BUS.

Alien is elegant. Both the 4.3 inch version and the 7 inch version of the Alien blend seamlessly into their surroundings. The Alien/S, the 4.3 inch version, mounts to standard '503' light switch boxes. If, however, you want to integrate the Alien/G into its surroundings even better, you can use a recessed-mounting box that allows you to obtain a touch-screen that practically flush-mounts to the wall to provide a truly sleek, streamlined look. Both versions come in black or white casings.



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
Touch-screen	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 images on SD Card	
Customizable backgrounds	Yes	
Skin selection	Yes	
Alarm clock/Reminder application	Yes	
Interactive and customizable graphic maps	Yes	
Chronothermostat function	Yes	
System interface	I-Bus	
Mounts to '503' outlets	Yes	–
Box for flush-mount installation	–	Yes
Dimensions (HxWxD):	85x136x17 mm	143x219x34 mm (143x219x17 mm for flush-mounting)
Weight	160 g	520 g

ORDER CODES

Alien/SB	4.3 inch colour touch-screen user-interface on I-BUS. White casing.
Alien/SN	4.3 inch colour touch-screen user-interface on I-BUS. Black casing.
Alien/GB	7 inch colour touch-screen user-interface on I-BUS. White casing.
Alien/GN	7 inch colour touch-screen user-interface on I-BUS. Black casing.



EN 50131-1
EN 50131-3
CEB T031



Aria/HG



Joy/GR Joy/MAX



Concept/GB



Concept/GN



nCode/GB

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 manage to combine aesthetic and ergonomic needs with undeniable elegance. 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.

Aria/HG keypads

Aria/HG keypads are characterized by refined elegance and a modern design that translates into a minimal yet particularly successful style suitable for all kinds of surroundings. Aria/HG keypads are a key element for the user in the simplification of interfacing with the system through the use of icons and voice functions. Equipped with microphone and speaker, they are capable, via voice messages of guiding the user through the selection of menu options, assisting during the arming and disarming phases, warning the user of the occurrence of events and also of allowing those present in different parts of the premises to communicate via the intercom application. Aria/HG keypads

have a precision temperature sensor that allows the visualization of the room temperature on the display and activates the chronothermostat function (in manual, weekly or anti-freeze mode). The integrated proximity reader allows access to the system by means of TAGs or CARDS thus eliminating the need of code entry. Aria/HG has two input/output terminals and can be mounted to '503' light switch boxes. Additionally, the Aria/HG keypad has an on-board brightness sensor that adjusts and optimizes the display and button brightness in accordance with the surrounding environment, and also a tamper-protection device with an accelerometer.



Joy keypads

The historic Joy keypad is available in two versions which differ in the advanced functions available on the Joy/MAX version (proximity reader, voice functions and temperature sensor). Joy/GR and Joy/MAX are equipped with an elegant cover that, when necessary, conceals

the keys. Accessible at all times are the 4 function keys that allow easy activation of the control panel functions and, when used in pairs, also activate instant alarms.



nCode keypads

nCode keypads, for use solely with Prime control panels, come in either a glossy black or white vertical design enclosure. The keys are always conveniently on view to ensure fast

access to all functions. The nCode keypads are equipped with an input/output terminal and dislodgement and open-tamper protection devices.



Concept/G keypads

Concept/G keypads are characterized by the absence of traditional buttons.

The user can interface with the system by touching the sensitive areas of the keypad surface.

These areas are elegantly highlighted with bright grooves on a shiny surface.

The sensation that is instantly perceived is that of style and technology that are the basis of this solution.

The absence of mechanical parts in movement ensures even greater reliability.

The aesthetic shape, with vertical development, in glossy black, is extremely attractive yet minimal while the absolute flatness of the surface simplifies cleaning operations.

Near the display are 4 function keys that allow easy activation of the control panel functions and, when used in pairs, also activate instant alarms.

The Concept/G keypad is equipped with an input/output terminal and dislodgement and open-tamper protection devices.



Main features

	Joy/GR	Joy/MAX	Concept/G	Aria/HG	nCode
Backlit graphic display	Yes				
Easy4U icon interface	Yes				
Easy4U voice interface	–	Yes	–	Yes	–
Programmable 'In Standby' backlight	Yes				
Programmable backlight in operation	Yes				
4 signalling LEDs	Yes				
FlexIO terminals programmable as Inputs or Outputs	2	2	1	2	1
Input terminals accept roller blind sensors	Yes				
Output terminals	Yes (150mA)				
Signal buzzer	Yes				
Anti-opening protection	Yes				
Protected against break-off tamper	Yes				
Mounts to '503' light switch box	Yes		Yes (if mounted vertically)	Yes (if mounted horizontally)	Yes (if mounted vertically)
Brightness sensor	–	–	–	Yes	–
Microphone and speaker for:	–	Yes	–	Yes	–
<ul style="list-style-type: none"> • user menu voice prompts • message recording • message playback • intercom • answerphone • voice notifier • remote listen-in 					
Card/Tag reader with 4 programmable shortcuts	–	Yes	–	Yes	–
Access to 'Shortcuts' on TAG or CARD	–	Yes	–	Yes	–
Temperature sensor with temperature display	–	Yes	–	Yes	–
Chronothermostat function (manual, weekly, with anti-freeze function)	–	Yes	–	Yes	–
Dimensions (HxWxD)	116x142x20 mm	116x142x20 mm	129x87x16,5 mm	140x125x27 mm	129x87x16,5 mm
Weight	160 g	180 g	155 g	228 g	135 g

ORDER CODES

Aria/HG	Keypad with backlit graphic display for management of Inim intrusion control systems. White casing.
Concept/GN	Keypad with backlit graphic display and touch keys for management of Inim intrusion control systems, in black enclosure.
Concept/GB	Keypad with backlit graphic display and touch keys for management of Inim intrusion control systems, in white enclosure.
Joy/GR	Keypad with backlit graphic display for management of Inim intrusion control systems.
Joy/MAX	Keypad with backlit graphic display with built-in card reader, microphone, loudspeaker and temperature sensor for management of Inim intrusion control systems.
nCode/GB	Keypad with backlit graphic display for management of the Prime system, in white enclosure.
nCode/GN	Keypad with backlit graphic display for management of the Prime system, in black enclosure.



Proximity readers and programmable Tags

Secure, simple and customizable authentication

Inim proximity readers allow you to interact simply and directly with the security and home automation system: by bringing the tag or card close to the readers it is possible to arm and disarm the system, give commands to the home automation system or activate customized macros or scenarios of automation for every environment.

The variety of models available, indoor, outdoor, built-in or wall-mounted, makes the installation perfectly adaptable to every need. The "universal" built-in system (registered patent) and "keystone" mounting make Inim proximity readers the perfect combination of advanced technology and design.

Tags and proximity cards are available in various colors and "shapes", in this way you can choose the desired aesthetic solution.

The proximity keys and cards for Inim anti-theft systems are equipped with 125 KHz technology. All key models are equipped with 4 programmable LEDs that can be associated with arming scenarios, programmable shortcuts or individual commands.





EN 50131-1
EN 50131-3
CEB T031

nBy

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 three versions of proximity reader: the nBy/S wall-mount version and the nBy/X and nBy/K flush-mount versions. 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 integrated nBy/X flush-mount version is the answer to the introduction on the market of new series of electrical boxes. 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. 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.



nBy/S
Wall-mount reader



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



Example of flush-mounted nBy/X

Another installation solution is the integrated version called nBy/K. This device has been designed to make use of flush-mount 'keystone'-type electrical boxes. Almost all of the civil series include this type of module, therefore Inim decided to use it to house its own proximity reader. In addition to the previously mentioned potential of the nBy/K flush-mount reader, there is also an on-board terminal that can be used and programmed as a common control panel input or output terminal. The device is available in 2 colours (black and white) for a more complementary colour combination with the wall plate.

All 3 models have 4 LEDs that can be associated with arming scenarios or shortcuts for the execution of commands. It is also possible to activate a customized shortcut programmed on the command devices (tags or cards). The proximity system is in fact completed with proximity keys (nKey and nBoss tags) and a card (nCard) that allow system authentication via the readers.



nBy/K
Reader for 'keystone' mount



Example of flush-mounted nBy/K



nKey



nBoss/N and nBoss/R



nCard

Main features

	nBy/S	nBy/X	nBy/K	nKey	nCard	nBoss
Voltage	from 9 to 16V~			–	–	–
Current draw	40mA	35mA	20mA	–	–	–
Programmable I/O terminal	–	–	1	–	–	–
Mounting	wall mount, outdoor	flush mount, universal	flush mount, keystone	–	–	–
Dimensions (HxWxD):	80x64x17 mm	50x19x51 mm	42x20x51 mm	35x28x6 mm	54x85x1 mm	85x29x4 mm
Weight	45 g	25 g	19 g	5 g	6 g	15 g
Available colours	black	black	black, white	blue	–	black, red

ORDER CODES

nBy/S	Wall-mount proximity reader
nBy/X	Universal flush-mount proximity reader.
nBy/KB	Proximity reader with 'keystone' mount in white plastic.
nBy/KN	Proximity reader with 'keystone' mount in black plastic.
nKey	Tag in plastic for nBy series proximity readers.
nCard	Card for nBy series proximity readers.
nBoss/N	Tag in black leather for nBy series proximity readers.
nBoss/R	Tag in red leather for nBy series proximity readers.



Home-automation expansion boards

All the comfort of our systems

The integration of devices designed for home automation with security systems allows us to make our environments even safer by guaranteeing: comfort, energy efficiency, safety, automation of domestic routines and accessibility.

Inim allows you to control and automate different aspects of the home, such as lighting, temperature, appliances, irrigation, shutters or venetian blinds. It is possible to create customizable scenarios to adapt the environment to your preferences and control everything with a simple touch or via voice commands.

The range of Inim devices aimed at improving the comfort of daily life is very vast and covers all the main needs, both with wired and radio devices. In addition, our systems support the main home automation protocols, including Modbus and KNX.





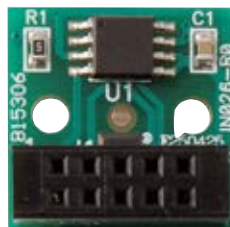
VOICE BOARD



EN 50131-1
EN 50131-3
CEB T031

SmartLogos30M

Voice board for Inim intrusion-control panels



The SmartLogos30M voice board adds powerful voice functions to the SmartLiving, Prime and Sol systems. 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. Among the functions offered is the fully pre-set voice dialer. All that is required is to type-in the contact telephone numbers and, with the SmartLogos30M, the Inim control panel will be capable of calling and sending messages from the 400 factory-recorded messages available. 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. For each user the installer can choose which items to assign to the voice menu without being concerned about the generation of the sequence of words to be reproduced. In fact, the system will automatically generate the voice menu from the list of items entered by the installer. 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 panel by means of a mobile phone. The remote voice menu will be available both when the system calls the user due to the occurrence of an event and when the user decides to call the system to inquire about its status or issue commands. The combination of the SmartLogos30M potential and VoIB technology allows the Inim system to provide an intercom function. IT is in fact, it is possible to make calls from one keypad to another to connect, for example, the garage with the living room. 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 function is particularly useful in various situations.

Main features

Up to 30 minutes of voice-message time	Yes
Recordable voice messages (of which pre-recorded)	500 (400)
Automatic-Answerphone function (customizable)	Yes
Voice-memo slot, one message for each Joy/MAX or Aria/HG keypad	Yes
Local voice-prompt menu (customizable)	Yes
Voice-prompt menu over-the-phone (customizable)	Yes
Voice notifier on local keypad (Joy/MAX or Aria/HG)	Yes
Automatic voice communicator over the telephone line	Yes
Message recording at Joy/MAX or Aria/HG keypads	Yes
Message recording from PC (using microphone or .wav file)	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.



EN 50131-1
EN 50131-3
CEB T031

Flex5/S

5 inputs/outputs expansions



Flex5/SP



Flex5/SU

Flex5/S is a module that expands the number of zones or outputs on the Inim system. The Flex5/S board receives its power and commands via the control panel bus. The power supply to the device and the two ancillary power outputs against short-circuit and overload.

The Flex5/S allows you to program its 5 terminals independently as inputs or outputs. All the terminals can also manage directly

roller shutter contacts or vibration detectors. If programmed as outputs, these terminals can sink 250 mA.

Terminals 4 and 5 can be configured as 0-10V c.c. analogue outputs.

The Flex5/SP model is protected against break-open and break-off tamper (these protections can be disabled if necessary).

Main features

	Flex5/SP	Flex5/SU
Operating voltage	0 – 15V	
Current absorption	20mA	
Current across +AUX terminals	800mA	
Current for each output terminal as O.C.	250mA	
Terminals	5	
Terminals programmable as inputs	5	
Terminal programmable as output	5	
Terminals programmable as roller shutters/shock inputs	5	
Terminals programmable as analogue output 0 – 10 V c.c.	2	
Dimensions (HxWxD)	80x126x27 mm	59x107x22 mm
Power output	3.6 V	3.6 V
Maximum output current	100 mA	100 mA
Weight	106 g	70 g

ORDER CODES

Flex5/SP	Expansion board with 5 inputs/outputs and tamper protection.
Flex5/SU	Expansion board with 5 inputs/outputs with terminals on-view.



Flex5/R

5 relay output expansion

The Flex5/R is a BUS module with 5 relays, each relay output can manage, by means of configurations programmed via the Control panel, both AC and DC loads of up to 16A and allows, also locally, verification of the status of single outputs.

The device is designed for installation on a 5-module DIN rail. These characteristics make it particularly suitable for home-automation applications.



EN 50131-1
EN 50131-3
CEB T031

Main features

Voltage	from 9 to 16Vdc
Current draw	250mA max
Output terminals programmable as relays	5
Operating range in AC	from 0 to 253V~, 50/60Hz
Operating range in DC (relay use)	from 0 to 253V @ 0.35A from 0 to 28V @ 10A
I-BUS interface	Yes
DIN-rail mount	5 module enclosure
Dimensions (HxWxD):	88x90x58 mm
Weight	180g

Flex5/DAC

Mains voltage outputs expansion

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 or Roller blind	5
Operating range in AC	110-230V – 50-60Hz
Maximum current draw for each output terminal	cos ϕ =1 10A (relay); 3.5A (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 (HxWxD):	88x158x58,5mm
Weight	300g

ORDER CODES

Flex5/R	5 relay output expansion.
Flex5/DAC	5 output dimmer expansion, 230V



EN 50131-1
EN 50131-3
CEB T031

Flex2R/2T

Module for home-automation and roller shutters



Flex2R/2T is an extremely flexible home-automation expansion module.

It connects to the control panel BUS in the same way as any typical peripheral and can serve as a 2 output relay module, 5A (with interlock function) and 2 freely programmable input/output terminals.

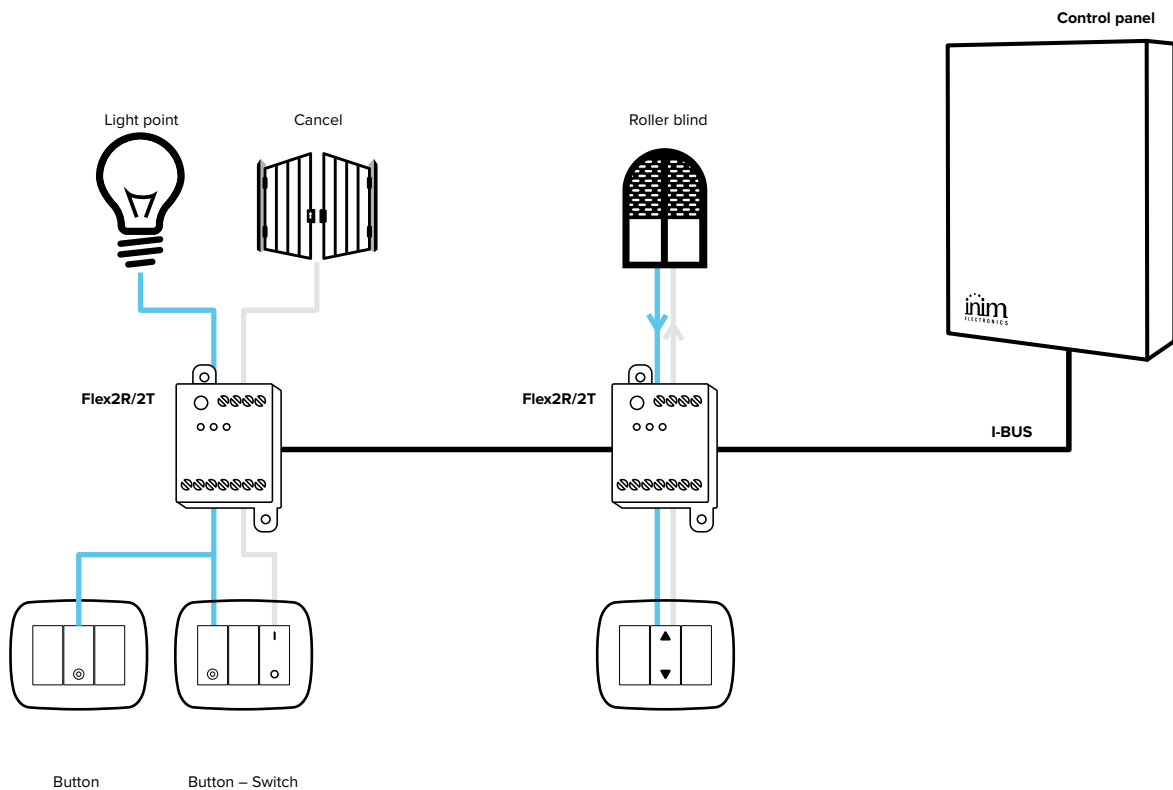
Its distinguishing feature is that besides being able to manage autonomously the 4 terminals previously mentioned, it is possible to program the device in a further 11 modes, which include: native management of roller shutters, venetian blinds and light points. The device is capable of operating in accordance with its programmed settings even during BUS communication loss. Flex2R/2T is also equipped with status indicator LEDs for the relay outputs.



Main features

Voltage	from 9 to 15Vdc
Current draw	53mA
I/O terminals	2 (T1 and T2)
Maximum current available to terminals T1 and T2	50mA
Relay terminals	2 (SW1 and SW2)
Features of SW1 and SW2 relays	Purely resistive loads: Max. 10A @ 230V~ Max. 5A @ 30Vdc
I-BUS interface	Yes
Dimensions (HxWxD)	41x69x25 mm
Weight	40g

Example:



ORDER CODES

Flex2R/2T

Module for home-automation with 2 I/O terminals and 2 relay outputs.



UM105H

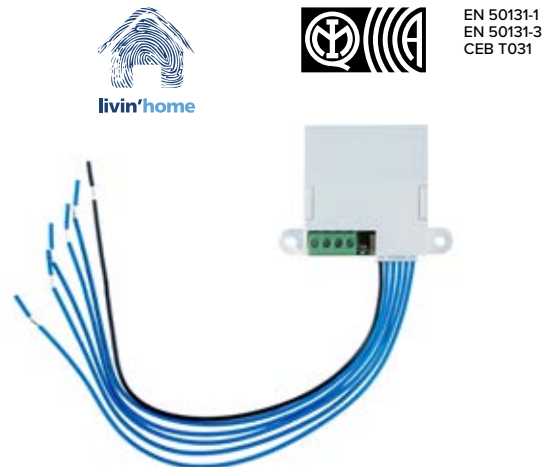
5 inputs/outputs universal module

UM105H is a module characterized by 5 very small IN/OUT terminals. It connects to the control panel via BUS, in the same ways as any typical peripheral.

The 5 terminals are available on a special pre-wired connector, they are individually configurable, like the terminals of the control units and expansions, therefore they can be inputs, outputs (open-collector) or input/output.

The typical intended use of UM105H is in the home automation sector and is particularly convenient for detecting, for example, the status of normal switches in the electrical series or for activating lights, door openers and, in general, for adapting to various uses.

The very small dimensions allow it to be housed directly inside the 503 flush-mounted socket boxes or in the junction boxes.



Main features

Voltage	from 9 to 1T Vdc
Absorption	
typical	20 mA
maximum	30 mA
Maximum current draw available for OC terminal	250 mA
Operating environmental conditions	
temperature	from - 10 to + 40°C
relative humidity	≤ 75 % without condensation
Security rating	3
Environmental class	II
Dimensions	
Flanges included	54 x 40 x 15 mm
Flanges not included	38 x 40 x 15 mm
wires	180 mm
Weight	15

SenseTH100/H

Temperature sensor on BUS

SenseTH100/H is an ambient temperature sensor for indoor use. It connects to the control panel via BUS, in the same ways as any typical peripheral.

Its application is as a zone chronothermostat whose operating features are determined by the user's programming.

The container, available in black and white, applies to all RJ45 adapters from the electrical series of the main manufacturers and the sensor, positioned on the front, detects the ambient temperature with a precision of $\pm 0.5^{\circ}\text{C}$

The device is intended for indoor use only, and is capable of reading temperatures in the range -10°C / $+40^{\circ}\text{C}$ with a reactivity of approximately 10 seconds to temperature changes.



IB200

I-BUS Isolator

Inim offers BUS isolators to guarantee the reliability of the communication system between the control panel and the peripherals. IB200/P and IB200/U protect and regenerate the BUS signals, while IB200/A also does the same for the power supply. These isolators prevent downstream faults, such as short circuits, sabotage or application of mains voltage. They are useful for protecting against vandalism in unprotected areas, ensuring system operation even if a peripheral is damaged. They can also extend the length of the bus through signal regeneration, with the size dependent on the length of the line upstream of the isolator.

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 downstream of the isolator.



IB200/P



IB200/U



IB200/A

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	–	–	13.8Vdc
Maximum regenerated current	–	–	1000mA
Permitted range of input voltage	9.5 – 15 Vdc	9.5 – 15 Vdc	9.5 – 15 Vdc
Dimensions (HxWxD)	59x107x21 mm	80x126x27 mm	172x80x27 mm
Weight	60g	100g	170g

ORDER CODES

IB200/U

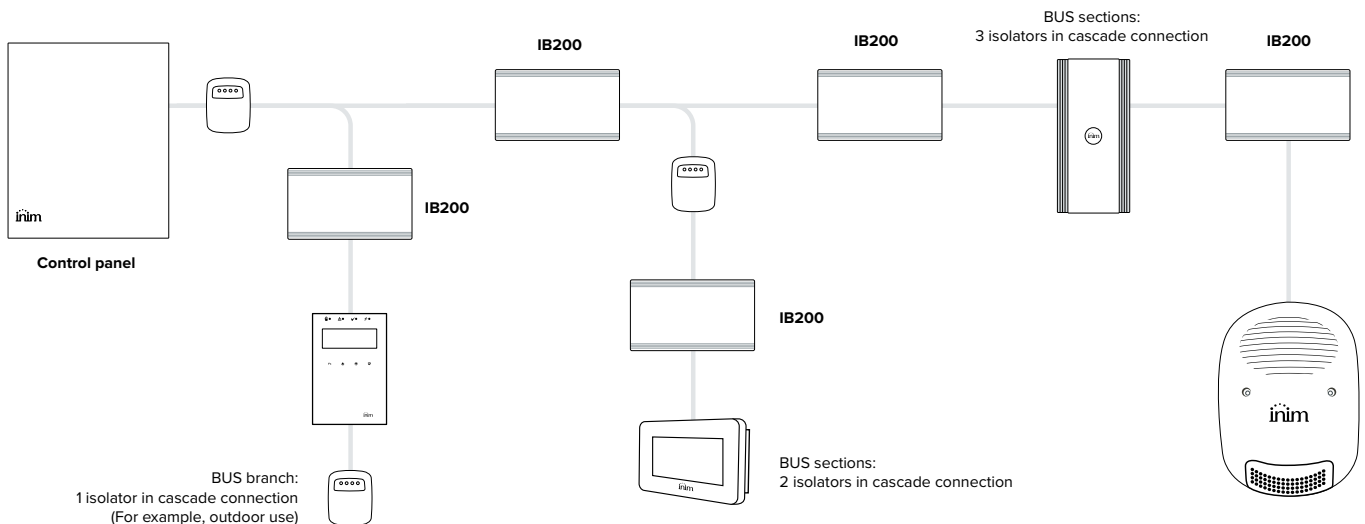
BUS isolator with data regeneration and on-view terminals.

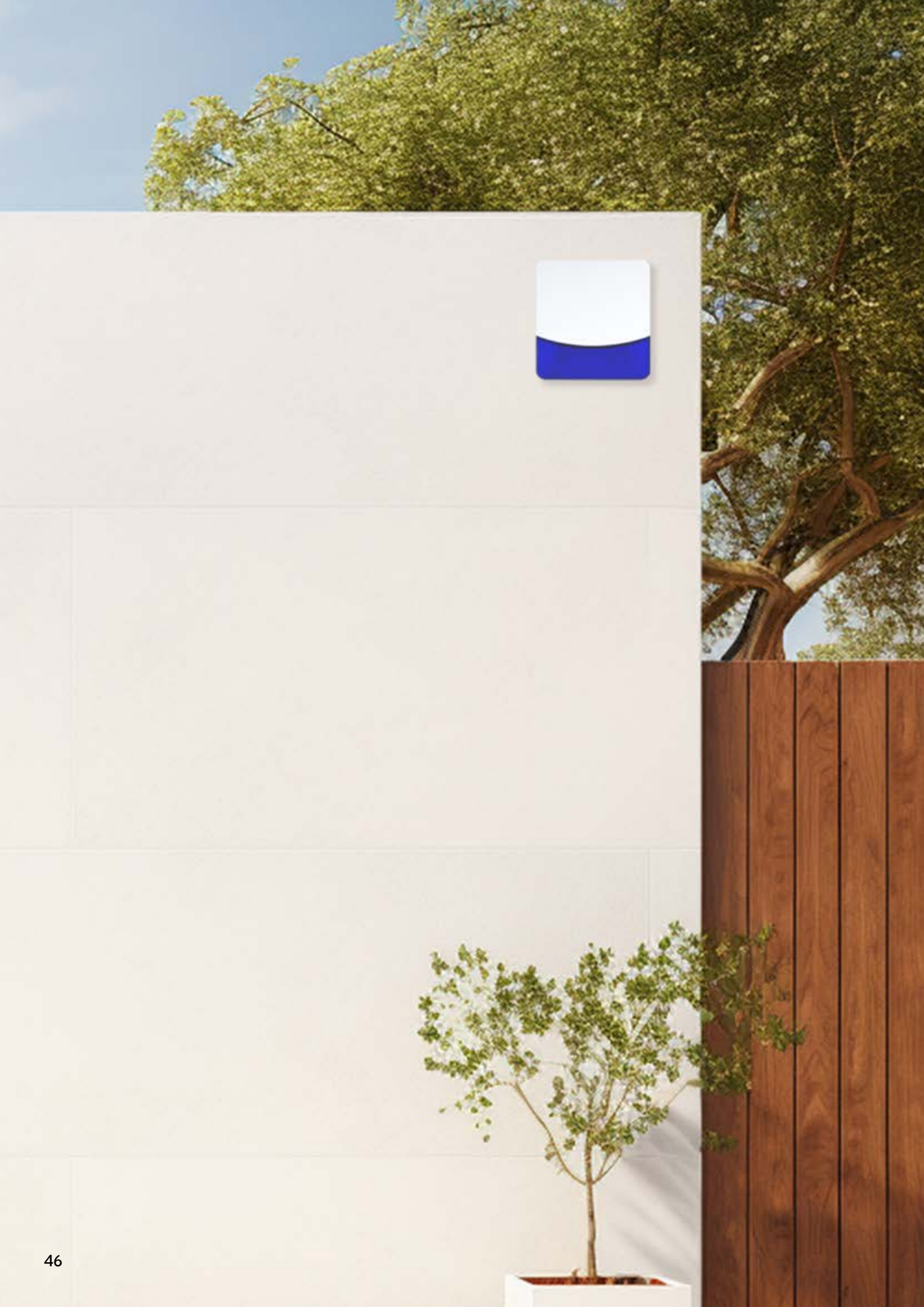
IB200/P

BUS isolator with data regeneration and tamper protection.

IB200/A

BUS isolator with data and power-supply regeneration and tamper protection.





Sounders for indoor and outdoor use

The first line-of-defense of every system

Inim anti-intrusion sounder/flashers combine design, ease of installation, efficiency and safety. Thanks to innovative battery management, they always ensure high acoustic and light intensity.

The Inim range of indoor and outdoor sirens represent the first line of defense for your environment.

Patented anti-tamper, anti-opening and anti-foam devices guarantee reliable operation over time and minimize the possibility of sabotage. Furthermore, it is possible to customize the functions according to your needs, adjusting parameters such as the type and intensity of the sound, the duration of the alarm, the number of flashes per minute and the activation modes.

Inim alarm sounder/flashers for indoor installations are designed to adapt perfectly to your spaces, thanks to their small size and minimal design. With piezoelectric sounders and LED light indicators, these sounders offer high optical-acoustic efficiency with minimal energy consumption. They can be easily integrated with the security system via wired or wireless connection, offering great flexibility during configuration phase.





Ivy Sounder/flashers

Traditional and on BUS

The Ivy self-powered outdoor sounder/flashers are elegant and efficient in the field of anti-intrusion systems. Easy to install and program, the plastic cover facilitates the installer's work and protects a sturdy metal structure. The flasher uses high efficiency LEDs for long autonomy.

The siren is highly customizable, with options for sound, alarm time and more. Available in the "classic" or "on-bus" version, the latter offers a direct connection to the Inim control panels, simplifying wiring and allowing specific signaling for different events.

The control panel controls the operation and supervision of the sounder/flasher via bus, including sabotage signals and voltage levels. The Ivy sounder/flashers are protected from various types of tamper. The Ivy/F model offers anti-foam protection via a dual infrared path.

Versions with "metal look" are also available.



Main features

	Standard model	'BUS' model
Power supply voltage	13.8Vdc	13.8Vdc (from I-BUS)
Alarm trigger	Power input	On BUS, with characteristics in accordance with the event
Ancillary alarm trigger	START input	On bus
Alarm lock for maintenance	STOP input	On bus
Ancillary signal LED trigger	LED input	On bus
Fault signalling	FAULT output	On bus
Tamper signalling	Relay with voltage-free contact	On bus
Separate sound and flasher management	–	Yes
Volume adjustment	–	Yes
Power-voltage reading	–	Yes
Battery-voltage reading	–	Yes
Temperature reading	–	Yes
Anti-opening and anti-dislodgement protection	Yes	Yes
Blow-torch tamper protection	Yes	Yes
Foam tamper protection ('F' model only)	Yes	Yes
Metal inner-shroud	Yes	Yes
LED signal flasher	Yes	Yes
Parameter programmable from device	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 I-BUS interface feature.
Ivy-BF	Self-powered sounder/flasher for outdoor installation with foam-tamper protection and I-BUS interface feature.
Ivy-BM	Self-powered sounder/flasher for outdoor installation, metal look with I-BUS interface feature.
Ivy-BFM	Self-powered sounder/flasher for outdoor installation with foam-tamper protection, metal look with I-BUS interface feature.

DS100

Self-powered sounderflasher for outdoors with intelligent recharge

The DS100 outdoor siren is a luminous optical signaling device that combines design, ease of installation, efficiency and safety. The acoustic and luminous signals ensure high intensity regardless of the battery charge. The new intelligent charging system optimizes the charging voltage of the buffer battery based on the ambient temperature and protects it from the occurrence of a deep discharge: a solution designed to significantly extend the useful life of the battery. The DS100 sounder/flashers is easily programmable via internal buttons and offers a default configuration suitable for every installation need.



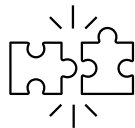
Features

Long-life



Battery charge optimization based on temperature and deep discharge protection

Compatible



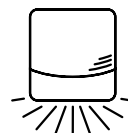
Compatibility with all systems

Complete



Housing in resistant and lightweight plastic, for easy installation and maintenance

Efficient



High intensity LED and high efficiency acoustic emitter

Secure



Anti-tamper protection system

Main features

Warning device type	For outdoor use, self-powered, type Z
Power supply voltage	
nominal	13.8 V $\overline{\sim}$
range	from 9 V to 16 V $\overline{\sim}$
Backup battery	12V – 2.1Ah UL94-HB flame class
Current absorption	
during standby	50 mA
for battery recharge	50÷180 mA
maximum	220 mA
Acoustic output type	tones
Sound pressure at 3m.	108 dB(A)
Carrier frequency	2÷3 KHz
Flash rate per minute	36
Maximum alarm-time	12 min.
Dimensions (HxWxD)	218 x 237 x 53 mm
Weight (without battery)	650 g
Operating environmental conditions	
Temperature	from -25 to +60°C
Relative humidity	≤ 93% without condensation
Degree of protection	IP34
Security grade	2
Environmental class	IV



EN 50131-1
EN 50131-4
CEB T031

NRB100

Stainless steel sounder/flasher



The NRB100 sounder for outdoor use is the ideal choice when a reliable, heavy duty, highly efficient sounder is required. The NRB100 is a self-powered sounder in an entirely stainless steel enclosure.

The sounder is controlled by a microprocessor that continuously monitors all the device parameters to ensure full efficiency, 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 provides 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
Anti-opening and anti-dislodgement protection	Yes
Stroboscope signalling device	Yes
Piezoelectric horns	Yes
4 programmable tones	Yes
Battery efficiency test	Yes
Parameter programming menu	Yes
Sounder emission	110 dBA @ 3 m
Protection rating	IP34
Housing for backup battery	from 12V and 2.1Ah
Dimensions (HxWxD)	203x293x52 mm
Weight (without battery)	1.5 Kg

ORDER CODES

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



EN 50131-1
EN 50131-4
CEB T031

Smarty

Indoor sounder/flasher



Italian design, Italian technology, Italian style. No compromise with Inim's Smarty Italian quality at the best price. The Smarty is fully microprocessor-controlled to ensure excellence in performance. Uses piezoelectric sounder and super bright LED-technology 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 voltage	13.8Vdc
Current draw (max)	130mA
Sounder- modulation/shutdown input	Yes
Open-enclosure tamper protection	Yes
LED signal flasher	Yes
Piezoelectric sounder	Yes
Sounder emission	110 dBA @ 1 m
Light Intensity	25lux @ 1m
Dimensions (HxWxD)	75x112x30 mm
Protection rating	IP31
Operating temperature	0 ÷ 50 °C
Weight	110 gr

ORDER CODES

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



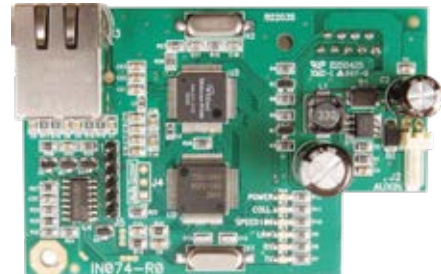
TCP/IP CONNECTIVITY



EN 50131-1
EN 50131-10
EN 50136-1
EN 50136-2
CEB T031

SmartLAN

Ethernet board for SmartLiving Systems



The optional SmartLAN board uses the infrastructure of the LAN/Internet network to offer connectivity to all the control panels of the SmartLiving series.

Therefore, thanks to the SmartLAN it is possible to carry out programming and control operations via the SmartLeague

software and SmartLiving system supervision operations via the SmartLook software both in local mode (LAN network) and in remote mode (Internet network). The communication protocol used provides a high level of security thanks to strict encryption measures.

SmartLAN/G

The user and the installer will be informed of the control panel events thanks to the email notification option offered by the SmartLAN/G. To each e-mail it will be possible to attach any file that resides on an sd-card.

The board 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.

The SmartLAN/G allows the user to manage the control panel through an Internet browser, the board in fact integrates a responsive web interface that adapts to all device screens.

The SmartLAN/G also allows the use of graphic maps: starting from an image it is possible to create interactive maps in which customizable buttons and icons can be added in order to signal the status of objects in a simple and clear way, and interact with the system in a intuitive manner.

The SmartLAN/G can manage ONVIF cameras, utilize different presets for each camera and, depending on the event, send notification e-mails with images relating to the event that occurred.

Furthermore, the SmartLAN/G is one of the peripherals that allows you to connect SmartLiving to the Inim Cloud.

SmartLAN/SI

For those who do not require particularly advanced remote functions but are interested in providing a SmartLiving control panel with a simpler approach to connectivity, Inim also offers a reduced version of the SmartLAN board, i.e. the SmartLAN/SI. With the optional SmartLAN/SI board, programming and monitoring functions are made available through the local

network and through the Internet (via the SmartLeague and SmartLook software), the digital communicator for surveillance stations with SIA-IP protocol, the access via the InimHome App. Furthermore, SmartLAN/SI allows full access to the Inim Cloud function.



Web server



Web server – graphic maps



InimHome App



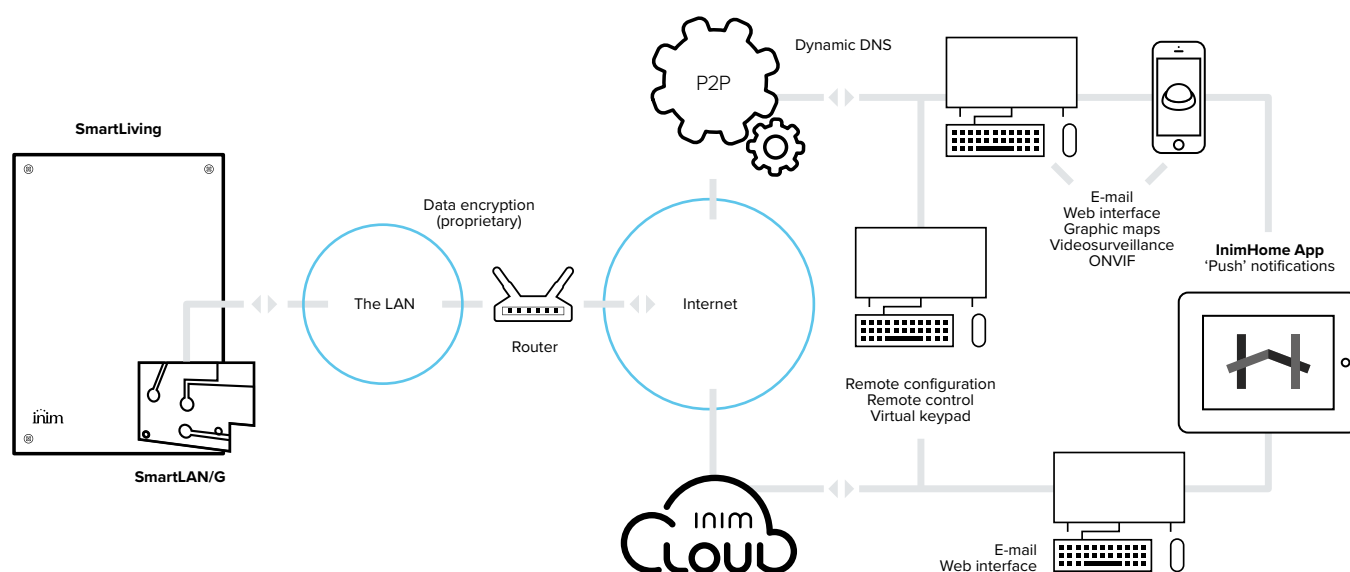
Web server – virtual keypad



Web server – ONVIF video verification



E-mail received from SmartLiving



Main features

	SmartLAN/G	SmartLAN/SI
Plug-in mounting to motherboard	Yes	
Encryption data	AES-128bit	Proprietary
Connection over 10-100 Base T Ethernet LAN	Yes	
System programming and control over IP using SmartLeague software	Yes	
Static IP address management	Yes	
Dynamic DNS management	Yes (for InimDNS)	
Management of simultaneous connections	Up to 10	No
Inim Cloud Connectivity	Yes	
Digital communicator with SIA-IP protocol for alarm receiving centres	Yes	
Sending of emails with attachments and SSL support	Yes	No
SD card connector	Yes	No
Attachments storage on SD card (not supplied)	Yes	No
Manageable memory for SD card	32GB	No
Web clock synchronization	Yes	No
UPNP	Yes	No
Web server for PC, tablet and smartphone connections with the following functions: <ul style="list-style-type: none"> - Virtual keypad with AlienMobile interface - Scenarios management - Zone management - Partition management - Interactive and customizable graphic maps - ONVIF webcam: <ul style="list-style-type: none"> • Live webcam management • Sending of email/archive webcam events - Timer visualization - Events log visualization 	Yes	No
InimHome App management	Yes	

ORDER CODES

SmartLAN/G Ethernet interface for SmartLiving control panels for connection to the Internet with TCP/IP protocol, send e-mails, web-server function and digital communicator with SIA-IP standard.

SmartLAN/SI Ethernet interface for SmartLiving control panels for Internet connection with TCP/IP protocol and digital communicator with SIA-IP standard.



TCP/IP CONNECTIVITY



EN 50131-1
EN 50131-10
EN 50136-1
EN 50136-2
CEB T031

PrimeLAN

Network board and connectivity for Prime control panels



PrimeLAN is an optional advanced IP connectivity module.

It inserts directly into the main board of the Prime control panel and has a slot for a microSD-card.

The PrimeLAN allows e-mail sending with a detailed message body for each individual event, complete with any 'attachment' (contained in the microSD). The message can contain links to websites or IP devices such as an NVR or webcam.

The presence of an integrated Web server, with 'Alien' interface, allows control from a tablet, smartphone or PC via internet browser.

The PrimeLAN manages interactive graphic maps that allow interaction with the system, by operating on complete floor plans and active icons for the management of all types of activation or command.

JPEG and MJPEG streams from preset ONVIF webcams are also supported for video verification with the sending of e-mails complete with pre-event and post-event images. Management of orientable PTZ surveillance cameras is integrated.

The PrimeLAN allows the integration of the Prime control panel with KNX systems.



Main features

Encryption data	128-bit AES
Connection over 10-100 Base T Ethernet LAN	Yes
Connector for the LAN network	RJ45, integrated
Static IP address management and DHCP	Yes
Dynamic DNS management	Yes
Management of 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: <ul style="list-style-type: none">- Virtual keypad with AlienMobile interface- Scenarios management- Zone management- Partition management- Interactive and customizable graphic maps- ONVIF webcam<ul style="list-style-type: none">• Live webcam management• Sending of email/archive webcam events- Timer visualization- Events log visualization	Yes



Web server



Web server – graphic maps



Web server – ONVIF videoverification



Reception of emails from Prime

ORDER CODES

PrimeLAN LAN board for Prime control panels for services of the web-server, e-mails and ONVIF videoverification.



EN 50131-1
EN 50131-10
EN 50136-1
EN 50136-2
CEB T031

PrimeWiFi

Wi-Fi interface for Prime control panels



The optional PrimeWiFi module provides Prime series control panels with Wi-Fi connectivity. It inserts directly into the main board of the Prime control panel and provides it with a wireless connection to the home or business Wi-Fi network. Connectivity to the network will allow the installer to remotely program and supervise the system via the Prime/STUDIO software and the connection to the Inim Cloud.



Main features

- Plug-in mounting to motherboard
- Encryption of AES-128 bit data
- LTE-ANT 100B GSM/LTE antenna with magnetic base and 2 mt. cable
- Control panel programming and management over IP with Prime/STUDIO
- Static IP address management
- Dynamic DNS management
- Management of up to 10 simultaneous connections
- Inim Cloud Connectivity
- Digital communicator with SIA-IP protocol for alarm receiving centres
- Sending of emails with attachments and SSL support
- UPNP
- Web server for PC, tablet and smartphone connections with the following functions:
 - Virtual keypad
 - Scenarios management
 - Zone management
 - Partition management
 - Interactive and customizable graphic maps
 - ONVIF webcam
 - Live webcam management
 - Sending of email/archive webcam events
 - Timer visualization
 - Events log visualization



ORDER CODES

- | | |
|--------------------|---|
| PrimeWiFi | Wi-Fi interface for Prime control panels for connection to the Internet with TCP-IP protocol. |
| LTE-ANT100B | GSM/LTE antenna with magnetic base and 2 meter cable |



I-BUS INTEGRATED GSM, GPRS, 3G AND 4G MODULES



EN 50131-1
EN 50131-10
EN 50136-1
EN 50136-2
CEB T031

Nexus

Devices for 2G, 3G and 4G connectivity



Nexus/4GU



Nexus/4GP

Nexus devices are devices for the connection to cellular networks. Nexus communicators are available in different models for 2G, 3G and 4G/LTE mobile network connectivity. Nexus/3G operates on 3G networks and when unavailable it executes fallback to 2G networks; Nexus/4G operates on 4G/LTE networks and when unavailable it executes fallback to 2G networks. 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. Once connected to the control panel, they provide a supplementary communication channel that backs up the PSTN line of the control panel. Through the channel generated by the Nexus it is possible to make all types of calls (voice, SMS, DTMF surveillance protocol and SIA-IP) and execute commands sent to the control panel via SMS or via recognition of the caller-number.

The Nexus/G, Nexus/3G and Nexus/4G models also provide the necessary communication channels towards the Inim Cloud thus allowing the user to manage the system through the InimHome App, to send commands and receive push notifications and, similarly, allowing the installer control via the InimTech Security App and the control panel programming software.

Nexus can operate both as a main device for event notification and a backup device in the event of PSTN line down or ADSL connection failure.

It is always advisable to check the costs, coverage and services of the various mobile operators in order to find out which is the most suitable. Meets grade ATS-6 of the EN50136 standard for alarm/event transmission systems.



Nexus – PCB



LTE-ANT100B



Main features	Nexus	Nexus/G	Nexus/3GU	Nexus/3GP	Nexus/4GU	Nexus/4GP
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					
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					
SMS notification of device status (remaining credit, faults, etc.)	Yes					
Voice communicator over GSM network	Yes					
GPRS connectivity management	–	Yes	Yes	Yes	Yes	Yes
3G connectivity	–	–	Yes	Yes	–	–
4G connectivity	–	–	–	–	Yes	Yes
Voice communicator over 4G (VoLTE)	–	–	–	–	Yes	Yes
Anti-intrusion control panel programming and management	–	via GPRS	via 3G	via 3G	via 4G	via 4G
IP communicator to alarm receiving centres supporting SIA-IP protocol	–	Yes	Yes	Yes	Yes	Yes
UCS2 character set management	–	Yes	Yes	Yes	Yes	Yes
Inim Cloud Connectivity	–	Yes	Yes	Yes	Yes	Yes
Remote antenna with 1.5 meter cable, SMA-Male connector and magnetic base	Yes	Yes	Yes	–	Yes	–
Stilo antenna, SMA-Male connector, inserted	–	–	–	Yes	–	Yes
Dimensions (HxWxD)	67x108x24 mm	67x108x24 mm	67x108x24 mm	111x194x28 mm	67x108x24 mm	111x194x28 mm
Weight	77 gr	77 gr	77 gr	180 gr (without batteries)	77 gr	180 gr (without batteries)

ORDER CODES

Nexus	GSM module integrated into Inim I-BUS.
Nexus/G	GSM/GPRS module integrated into Inim I-BUS.
Nexus/4GU	2G and 4G GSM module integrated into I-BUS with on-view terminals.
Nexus/4GP	2G and 4G GSM module integrated into I-BUS with back-up battery and anti-opening protection.
LTE-ANT100B	GSM/LTE antenna with magnetic base and 2 meter cable



Sensors and Detectors for indoor use

Technology for the protection of environments

Inim offers a wide range of detectors for indoor installation. The QTech series detectors are based on different detection technologies, each characterized by a high degree of precision and analysis of the environment in which the devices are installed to best adapt to each type of installation. They can control an entire room, a gate or access points using magnetic contacts or curtain detectors.

QTech devices offer easy programming of various parameters, including sensitivity, types of tamper (anti-opening, anti-masking, anti-blinding, anti-dislodgement), AND/OR mode and the number of pulses detected. The combined use of infrared and microwave technology allows extremely precise detection of movement inside residential, commercial or industrial buildings. The Pet Immune versions allow you to bypass detection of pets.

All detectors are available in both wired and wireless versions. The wide range of indoor detectors is certified to grade 2 or 3 of European standards.





EN 50131-1
EN 50131-2-2
EN 50131-2-4

QTech

Inim intrusion detectors also available in “Pet Immune” versions



The QTech product line of wired detectors represents the integration of the most superior technologies available for protection against intrusion in home, industrial and commercial environments and offer a high level of immunity to false alarms. The wired connection with the anti-intrusion control panel ensures optimum performance and reliability levels. The motion detectors have single or dual beam infrared technology, microwave sensing, a bypassable signalling LED and output terminals for tamper signals.

The anti-tamper functions protect these devices against opening, dislodgement and masking tamper. The ‘Pet Immune’ versions allow you to bypass detection of pets up to a weight of 25 kg and a height of 50 cm.

The QTech wired detector line is certified to Grade 2 or Grade 3. Together with the QTech line of wired detectors, Inim offers a range of detectors with wireless technology (see the section dedicated to Air2 wireless devices).



Infrared detectors

QIR100H and QIR200H are PIR detectors that use a dual pyroelectric element capable of detecting infrared radiation.

QIR100H

Digital PIR detector with opening protection

Digital signal analysis
Coverage: 15m
Detection angle: 90°
Pulse counter
Temperature compensation
Signalling LED
Signals from bypassable LEDs
Anti-opening protection

QIRP100H

“Pet Immune” version

Adjustable sensor sensitivity
Detectors type: digital dual PIR
Detection mode: infrared emission
Power supply voltage: 10V ÷ 16Vdc
Current consumption: 13mA @ 12Vdc
Operating temperature: from -10°C to +40°C
Installation height: 2.2m
Dimensions: 96 x 60 x 44 mm



QIR200H

Digital PIR detector with opening and dislodgement protection

Digital signal analysis
Coverage: 15m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening and anti-dislodgement protection

QIRP200H

“Pet Immune” version

Adjustable sensor sensitivity
EOL resistors
Detectors type: digital dual PIR
Detection mode: infrared emission
Supply voltage: 10V ÷ 16Vdc
Current consumption: 13mA @ 12Vdc
Operating temperature: from -10°C to +40°C
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm



Dual technology detectors

The QTech dual technology detector line consists of IR-microwave detectors that combine an X-Band microwave sensor with a dual pyroelectric element.

QDT200H

Digital dual technology detector

Digital signal analysis
Coverage: 15m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening and anti-dislodgement protection
Adjustable sensor sensitivity

QDTP200H

“Pet Immune” version

EOL resistors
“AND” and “Smart-OR” functions for alarm trigger
Detectors type: digital dual PIR, microwave module
Detection mode: infrared emission + doppler effect
Supply voltage: 10V ÷ 16Vdc
Current consumption: 20mA @ 12Vdc
Operating temperature: from -10°C to +40°C
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm





DETECTORS



EN 50131-1
EN 50131-2-4

QDT200HM

Combined passive infrared and microwave detector with anti-masking function

QDTP200HM

“Pet Immune” version

Digital signal analysis
Coverage: 15m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LEDs
Signals from bypassable LEDs
Remote control of LEDs
Anti-opening, anti-dislodgement and anti-masking protection

Adjustable sensor sensitivity
EOL resistors
“AND” and “Smart-OR” functions for alarm trigger
Detectors type: digital dual PIR, microwave module
Detection mode: infrared emission + doppler effect
Power supply voltage: 10V ÷ 16V dc
Current consumption: 20mA @ 12V dc
Operating temperature: from -10°C to +40°C
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm



QDT200H3

Dual technology infrared and microwave detector with anti-masking function

QDTP200H3

“Pet Immune” version

Digital signal analysis
Coverage: 15m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LEDs
Signals from bypassable LEDs
Remote control of LEDs
Anti-opening, anti-dislodgement and anti-masking protection

Adjustable sensor sensitivity
EOL resistors
“AND” and “Smart-OR” functions for alarm trigger
Detectors type: digital dual PIR, microwave module
Detection mode: infrared emission + doppler effect
Power supply voltage: 10V ÷ 16V dc
Current consumption: 25mA @ 12V dc
Operating temperature: from -10°C to +40°C
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm



QDT500H

Curtain detector with infrared-microwave technology and anti-masking function

Digital signal analysis
Coverage: 3m
Side detection angle: 70°
Front detection angle: 10°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening and anti-masking protection
Movement and tilt protection
Bypassable sensors

Adjustable sensor sensitivity
“AND” and “Smart-OR” functions for alarm trigger
Detectors type: digital dual PIR, microwave module
Detection mode: infrared emission + doppler effect
Power supply voltage: 10V ÷ 16V dc
Current consumption: 25mA @ 12V dc
Installation method: ceiling mount
Operating temperature: from -25°C to +50°C
Installation height: 3m
Dimensions: 114 x 32 x 32 mm
Colours: white, brown





EOL resistors

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

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

XEOLR1K5: 1K5 EOL resistors
XEOLR2K4: 2K4 EOL resistors
XEOLR5K6: 5K6 EOL resistors
Supplied in boxes of 500 pcs.

Accessories

XBK100
 Swivel bracket for QTech detectors (50 pack)





Sensors and Detectors for outdoor use

The early detection of intrusion

The protection of the external environment is becoming increasingly important with a view to preventing intrusion attempts. Inim offers a complete range that includes both perimeter and volumetric outdoor detectors as well as classic optical barriers.

Curtain effect sensors with both double PIR and double PIR + Microwave technology, with protection against removal and masking. Dual technology volumetric sensors with 12m range. Equivalent wireless versions also available.

Inim's range of optical barrier detectors includes dual, triple and quad photoelectric beam detectors with outdoor ranges of 60 to 200 metres. Also equipped with a heater function, they are the ideal solution for protecting medium and large perimeters.





BXS-AM and QXI-DT

Outdoors motion detectors



The BXS and QXI series detectors are devices dedicated to outdoor security solutions, ideal for both residential and commercial applications.

The BXS series is a range of dual PIR detectors with curtain coverage of up to 12 meters on each side ideal for detecting persons in the immediate vicinity of the protected building.

The left and right detection zones are completely independent and can easily be associated with CCTV systems. They integrate an active IR anti-masking function for a more effective protection

against tamper attempts.

The QXI series is a range of dual technology volumetric PIR + microwave detectors with a maximum coverage of 12 meters and a detection area of 120°. They are ideal for detecting persons not yet in the immediate vicinity of the building.

They can be mounted at different heights selectable during the installation phase and provide high-end performance pet immunity.

BXS-AM

Outdoor perimeter detector

Dual PIR detector for outdoor installation
4 PIR sensors (2 on each side)
Detection mode: infrared emission
Adjustable range, max. 12+12m on each side
Curtain detection (180° narrow)
DX/SX independent alarm output or general
Fault output
Built-in self-test function

Anti-dislodgement, anti-opening protection, IR anti-masking
Power supply voltage: 9.5V ÷ 18V dc
Current consumption: 34mA @ 12V dc
Installation method: wall, pole (outdoor, indoor)
Operating temperature: from -30°C to +60°C
Installation height: from 0.80 to 1.20 m
Dimensions: 93 x 200 x 53 mm
White



QXI-DT

Outdoor volumetric detector

Wired dual technology detector for outdoors
Quad PIR + microwave
Detection mode: infrared emission and microwave
Max. range 12m
Coverage angle 120°
General alarm output
Fault output
Built-in self-test function

Anti-dislodgement, anti-opening protection, MW anti-masking
Power supply voltage: 9.5V ÷ 16V dc
Current consumption: 30mA @ 12V dc
Installation method: wall (outdoor, indoor)
Operating temperature: from -40°C to +45°C
Installation height: from 2.20 to 2.70 m or from 0.80 to 1.20 m (pet alley)
Dimensions: 78 x 145 x 59 mm
White



ORDER CODES

BXS-AM(W)-NB	Outdoor perimeter detector.
QXI-DT-X5-NB	Outdoor volumetric detector.
BXS POLE MOUNT PLATE	Mounting plate for BXS detector.
CA-1W(W)	Wall mount bracket for QXI detector.
CA-2C(W)	Ceiling mount bracket for QXI detector.

BDX-D060/T100/Q200

Optical barrier detectors



BDX-D060
60m dual-beam barrier



BDX-T100
100m triple-beam barrier



BDX-Q200
200m quad-beam barrier



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 meet

this need, Inim offers its own park of optical barrier detectors. Inim's range of optical barrier detectors includes dual, triple and quad photoelectric beam detectors with outdoor ranges of 60 to 200 metres.

	Dual-beam barrier Model BDX-D060	Triple-beam barrier Model BDX-T100	Quad-beam barrier Model BDX-Q200
Detection method	Infrared	Infrared	Infrared
Beam characteristics	Dual beam	Triple beam	Quad beam
Outdoor range	60 m	100 m	200 m
Indoor range	120 m	200 m	400 m
Detection time	Selectable from 50 to 500ms	Selectable from 50 to 500 ms	Selectable from 50 to 500 ms
Power supply voltage	From 10Vdc to 24Vdc	From 10Vdc to 24Vdc	From 10Vdc to 24Vdc
Absorption	90mA max	90mA max	90mA max
Alarm output	Dry contact (30Vdc, 0.5A)	Dry contact (30Vdc, 0.5A)	Dry contact (30Vdc, 0.5A)
Open-tamper output	Dry contact (receiver only)	Dry contact (receiver only)	Dry contact (receiver only)
Horizontal adjustment	± 90°	± 90°	± 90°
Vertical adjustment	± 10°	± 10°	± 10°
IP Protection rating	IP65	IP65	IP65
Dimensions (HxWxD)	189x74x69 mm	275x80.5x80 mm	370x96x101 mm
Weight (transmitter and receiver)	900 g	1250 g	2500 g

ORDER CODES

BDX-D060	60m dual-beam barrier
BDX-T100	100m triple-beam barrier
BDX-Q200	200m quad-beam barrier
BDX-HT	Heater.



InVista: IP cameras and NVR for video verification and video surveillance

The professional and intelligent Inim CCTV system

InVista represents an innovative system that integrates the power of video verification with the effectiveness of our anti-intrusion solutions for unprecedented protection. IP cameras and NVRs offer intelligent detection based on the most advanced video analysis rules. Inim Cloud is the fulcrum of the system and ensures data security: the images are stored on a local NVR and the backup of video events is saved only with the user's consent and exclusively on our European servers.

Video surveillance, security and home-automation: the entire system can be managed from a single App.

Inim LITE series IP cameras offer innovative video processing and intelligent detection technologies, ensuring high resolution images and 24/7 performance. Suitable for residential, commercial and industrial installations. They are NDAA compliant and support the Onvif protocol.

The Inim PRO series IP cameras, with higher resolution and advanced features, take video surveillance to an even more professional level. They are equipped with intelligent recognition technologies based on deep learning and guarantee sharp and detailed images in any lighting condition. They are NDAA compliant and support the Onvif protocol.

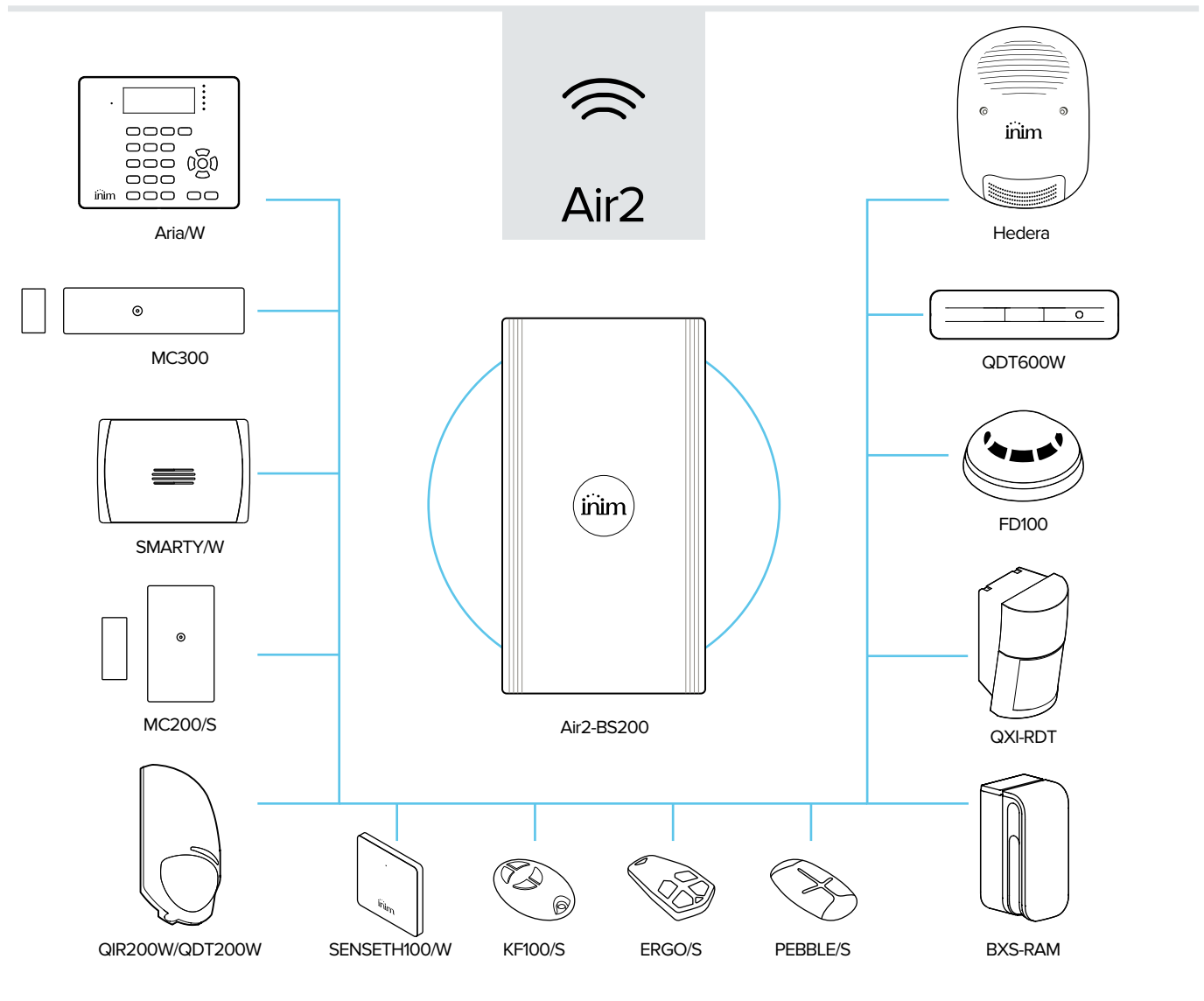
The Inim range of Network Video Recorders (NVRs) is effective and complete, designed to offer optimal management of surveillance cameras. Searching and accessing video recordings is simplified and intuitive, thanks to the Smart Search function. The NVRs support the sending of HTTP strings to the Inim alarm control panels. They are NDAA compliant and support the Onvif protocol.





Air2

Two-way wireless system for intrusion-control panels



More and more often the installer feels the need for a reliable wireless system dedicated to sector professionals. Inim satisfies this need with an excellent wireless system. The Air2 system operates in the 868MHz band and above all operates in two-way transmission mode. Two-way means that all the devices not only transmit signals but are also capable of recognizing and managing messages sent to them. Two-way also means that the traditional receiver is replaced by a device which in addition to receiving signals is also capable of sending signals to devices. This translates into the fact that the system does not rely on the theory of probabilities when sending alarm signals, as many systems today do, but that it ensures the signal has

reached its destination by listening for a response from the device that picked up the alarm communication. The level of performance that Air2 is capable of achieving satisfies even the most demanding professional who will find, amongst other features, advanced system diagnostics functions. The transceiver connects to the control panel I-BUS and allows for fully integrated management of both wireless and wired devices. Choosing an Inim 'wireless' solution no longer means lowering the performance level of a security system, on the contrary it means being able to protect museums, places of worship and isolated areas in a non-invasive manner and with very short installation times.

Technical features of the system

Operating frequency	868MHz
Communication type	Two-way

Modulation	GFSK
Channels	3



EN 50131-1
EN 50131-3
EN 50131-5-3
CEB T031

Air2-Aria/W

Wireless keypad with backlit graphic display



The Aria/W wireless keypad provides all the necessary functions for control and management of a Inim installation equipped with an Air2 system, which it can interface 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 signalling LEDs	Yes
Signal buzzer	Yes
Protection	Inertial tamper protection
Accelerometer controlled 'wake-up' function	Yes
Analysis of wireless channel quality	Yes
Mounts to '503' light switch 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 backlit graphic display for management of Inim systems, in white enclosure.



EN 50131-1
EN 50131-3
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CEB T031

Air2-BS200

Transceiver

Wireless transceiver with I-BUS interface for connection to Inim intrusion-control panels.

The Air2-BS200/50 is capable of managing 50 devices (detectors and magnetic contacts) and 100 wireless keyfobs, the Air2-BS200/30 is capable of managing 30 devices (detectors and magnetic contacts) and 50 wireless keyfobs, whereas the Air2-BS200/10 is capable of managing 10 devices and 30 wireless keyfobs.

The Air2-BS200 is also capable of managing up to 4 Aria/W keypads and 4 Hedera or Smarty/W sounder/flashers.

Each signal can be mapped on one of the terminals available on the control panel, in the same way as each wireless keyfob can be mapped on one of the tags of Inim control panels.



Main features

	BS200/10	BS200/30	BS200/50
Communication with wireless devices	Two-way		
Connection to control panel	4 wires via the I-BUS		
Manageable wireless field devices (magnetic contacts or detectors)	10	30	50
Manages wireless signals (inputs and outputs)	10 – simulates up to 2 Flex5 expansion boards	30 – simulates up to 10 Flex5 expansion boards	50 – simulates up to 10 Flex5 expansion boards
Wireless keys supported	30	50	100
Manageable keypads (Aria/W)	4		
Manageable sounder/flashers (Hedera and Smarty/W)	4		
Device mapping in control panel	On terminals		
Wireless key mapping in control panel	On tags and cards		
Protections	Anti-dislodgement and anti-opening		
Monitoring	Wireless-programmable Supervision Time		
Dimensions (HxWxD)	80 x 170 x 25 mm		
Weight	135 g		

ORDER CODES

Air2-BS200/50	868Mhz transceiver (two-way), connects to I-BUS, manages up to 50 detectors, up to 100 wireless keyfobs.
Air2-BS200/30	868Mhz transceiver (two-way), connects to I-BUS, manages up to 30 detectors, up to 50 wireless keyfobs.
Air2-BS200/10	868Mhz transceiver (two-way), connects to I-BUS, manages up to 10 detectors, up to 30 wireless keyfobs.
Air2-ANT100N/8	868Mhz external antenna (1.5 mt. cable).



EN 50131-1
EN 50131-2-6
EN 50131-5-3
CEB T031

Air2-MC200/S

Wireless magnetic contact



The Air2-MC200/S is a wireless magnetic-contact which integrates a tilt and shock sensor. Shock and tilt detection is achieved thanks to the use of appropriate electronic devices that guarantee extremely high levels of reliability and precision combined with excellent programming flexibility.

It is possible to carry out accurate programming in order to adapt the device functions to the

specific needs of the individual installation.

The tilt sensor allows detection of the opening of overhead and awning windows thus avoiding the use of the magnet.

The Air2-MC200 is protected against tamper attempts and forced removal. The device uses separate channels for the different types of signalling, thus allowing precise identification of the alarm source.



Main features

Communication with Air2-BS200 transceiver	Two-way
Protections	Anti-dislodgement and anti-opening
Magnetic sensors	1
Shock/Tilt sensor	1
Shock sensor sensitivity	10 programmable levels
Tilt sensitivity	10 programmable levels, from 4° to 70°
Colours	White, Brown and Black
Battery	CR2
Battery life (estimated)	4 years
Tamper input	1
Dimensions (HxWxD)	58 x 35 x 23 mm
Magnet dimensions (HxWxD)	13 x 40 x 14 mm
Total weight	30 g

ORDER CODES

- Air2-MC200/SB** Wireless magnetic contact with integrated shock and tilt sensor. White casing.
Air2-MC200/SM Wireless magnetic contact with integrated shock and tilt sensor. Brown colour.
Air2-MC200/SN Wireless magnetic contact with integrated shock and tilt sensor. Black casing.



EN 50131-1
EN 50131-2-6
EN 50131-5-3

Air2-MC300

Wireless magnetic contact with two I/O terminals



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 provides 2 terminals which can be configured individually as input or output. Configuring the terminals as inputs allows management of standard zone balancing (NO, NC, single balancing, double balancing) and also direct interfacing with roller blind and shock sensors. Configuring the terminals as outputs grants access to a 50mA open-collector output. Alarms deriving from magnetic

contacts and distinctly from the two terminals are signalled separately on the control panel. For each device it is possible to activate an option that transforms the unused magnetic contact, of the two on the MC300, into a magnetic anti-tamper device. In this way, it will be capable detecting tamper attempts using magnets. The device is protected against dislodgement and open-cover tamper. MC300 is available in brown or white.

Main features	
Communication with Air2-BS200 transceiver	Two-way
Protections	Anti-dislodgement and anti-opening
Magnetic sensors	2 @ 90° usable individually or in pair
Terminals	2 individually programmable as input or output
Balancing on terminals	NO, NC, single, double balancing
Management of roller blind and shock detectors	Yes, on both terminals
Alarm signalling channels	Separate for magnetic sensors, first terminal and second terminal
Colours	White, Brown and Black
Battery	Alkaline, AA – Stilo 1.5V
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). White casing.
Air2-MC300M	Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions). Brown colour.
Air2-MC300N	Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions). Black casing.

Air2-KF100/S, Air2-Pebble/S and Air2-Ergo/S

Remote-control devices



Air2-KF100/S



Air2-Pebble/S



Air2-Ergo/S

Thanks to the two-way supervision of the Air2-BS200, the Inim keyfobs impart visual feedback signals (LED signals) which notify the user of the successful outcome of requested operations. The keyfob has 4 buttons which can be programmed from the control panel. The remote-control keyfob will allow the user to arm and disarm the intrusion-control 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. In addition to the classic easy-to-use KF100/S keyfob are two latest generation devices that combine functionality and attractive design: Pebble/S and Ergo/S, available in different colours.

Main features

	KF100/S	Pebble/S	Ergo/S
Communication with Air2-BS200 transceiver	Two-way		
Keys	4		
Buttons functions	Programmable as control-panel shortcuts (arm, disarm, arm in stay/away mode, output activation, etc.)		
Notifier LEDs	6, for reporting the result of the command sent		
Signal buzzer	Multitone		
Block/Unblock keypad	Yes		
Battery	CR2032		
Battery life	5 years		
Dimensions (HxWxD):	61x41x12 mm	69x42x15 mm	72x41x16 mm
Weight	17 g	21 g	25 g

ORDER CODES

Air2-KF100/S	Two-way remote-control key with 4 buttons.
Air2-KFPEBBLE/SR	Two-way remote-control key with 4 buttons, stylish design. Red colour.
Air2-KFPEBBLE/SG	Two-way remote-control key with 4 buttons, stylish design. Gray colour.
Air2-KFPEBBLE/SA	Two-way remote-control key with 4 buttons, stylish design. Airforce blue colour.
Air2-KFPEBBLE/SB	Two-way remote-control key with 4 buttons, stylish design. White casing.
Air2-KFERGO/SN	Two-way remote-control key with 4 buttons, ergonomic design. Black casing.
Air2-KFERGO/SB	Two-way remote-control key with 4 buttons, ergonomic design. White casing.



EN 50131-1
EN 50131-4
EN 50131-5-3
CEB T031

Air2-Hedera

Outdoor wireless sounder/flasher

The wireless Hedera sounder/flasher for outdoor installation 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 sounder/flasher interfaces with Inim control panels via the Air2-BS200 transceiver through 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 sounder/flasher 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. 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, anti-dislodgement, anti-foam protection
Metal inner-shroud	Yes
LED signal flasher	Yes
Parameter programmable from device	Yes
Sound pressure at 1 m	103dBA
Protection rating	IP34
Battery	ER34615M
Battery life	4 years
Dimensions (HxWxD):	288 x 207 x 106 mm
Weight	2.3 Kg

Air2-Smarty/W

Indoor wireless sounder/flasher

The Smarty/W is managed by a microcontroller to guarantee performance excellence and, in addition, offers numerous programmable parameters such as tone, maximum alarm time, flash rate per minute, signal activation modality, etc.

The Smarty/W sounder/flasher interfaces with Prime and Sol control panels via an Air2-BS200 transceiver, which allows it to be monitored and controlled by the control panel. This greatly simplifies programming and permits the activation of distinctive signals for the different events. The control panel, by means of the Air2 system, is capable of monitoring tamper signals and the battery level.

Smarty/W is equipped with a piezoelectric sounder and a signalling LED which is flanked by two auxiliary signalling LEDs. A direct move towards superior signalling features and low power consumption.

The device is protected against forced opening and dislodgement and, as well the monitoring function, is capable of activating audible and visual signals in the event of wireless signal loss.



Main features

Communication with Air2-BS200 transceiver	Two-way
Piezoelectric sounder	Yes
LED signal flasher	Yes
Separate sound and flasher management	Yes
Volume adjustment	Yes
Protections	Anti-opening and anti-dislodgement
Parameter programmable from device	Yes
Sound pressure at 1 m	85 dB(A)
Protection rating	IP31
Battery	ER17505M
Battery life	3 years
Dimensions (HxWxD):	111 x 75 x 30 mm
Weight	130 g

ORDER CODES

Air2-Hedera-F	Outdoor wireless sounder/flasher with anti-foam protection.
Air2-Hedera-FM	Outdoor wireless sounder/flasher with anti-foam protection, in metal effect enclosure.
Air2-Hedera-F#	Outdoor wireless sounder/flasher with anti-foam protection, batteries not included.
Air2-Hedera-FM#	Outdoor wireless sounder/flasher with anti-foam protection, in metal effect enclosure, batteries not included.
Air2-Smarty/W	Indoor wireless sounders/flasher.
Air2-Smarty/W#	Indoor wireless sounder/flasher, battery not included.

Air2-UT100/S

Universal wireless transceiver

Air2-UT100/S is a universal transmitter useful in all situations in which it is necessary to send a signal from a generic source via wireless transmission to the Inim control panel. UT100/S has a normally closed input that sends an alarm signal via wireless transmission when the input is unbalanced.

The device is equipped with an additional normally closed input for the connection of tamper contacts. UT100/S is equipped with a bypassable shock tamper function.

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 equipped with 2 terminals to power external 3.6V devices.

If external loads are applied, it is necessary to take into account the extra current draw when gauging the battery life.

UT100/S finds practical application in perimeter protection solutions, where wiring is unavailable to carry power and device alarm signals to/from the control panel.

(*) The management of the second input will be made available in updates of the control panel and device.



Main features

Operating frequency	868MHz
Communication with Air2-BS200 transceiver	Two-way
Modulation	GFSK
Channels	3
Battery	ER17505M 3.6V Lithium, supplied ER34615M Lithium 3.6V
Dimensions	30 x 80 x 20 mm
Weight	39 g

Air2-SenseTH100/W

Wireless room-temperature sensor

The Air2-SenseTH100/W temperature and humidity sensor (*) with wireless connection allows integration of the thermostat function inside the anti-intrusion control panel.

The rear bracket with which it is equipped allows for quick and simple installation by means of a screw or double-sided adhesive tape.

The incorporated 3V CR2032 lithium battery can be replaced by the end user without generating a tamper signal when the casing is opened.

The 4-value programmable hysteresis ensures device efficiency. It is possible to configure up to 15 probes connectable to the control panel and simultaneously manage up to 15 climate zones equipped with their own independent thermostats.

(*) The humidity sensor will be made available in subsequent updates of the control panel and device.



Main features

Communication with Air2-BS200 transceiver	Two-way
Probes connectable to the control panel	15
Temperature range	-10°C ÷ +60°C
Reading accuracy	±0.3°C
Programmable hysteresis	0.1 / 0.2 / 0.3 / 0.4 °C
Battery	Lithium ECR2032 3V
Dimensions	55x55x13 mm
Weight	22 g

ORDER CODES

Air2-UT100/S Universal wireless transmitter.
Air2-SenseTH100/W Wireless room-temperature sensor.



Air2-BXS-RAM e Air2-QXI-RDT

Wireless outdoor motion detectors

The BXS and QXI series detectors are devices dedicated to outdoor security solutions, ideal for both residential and commercial applications.

Both series are supplied in the Air2 version, with the Air2-UT100/S transceiver inside for two-way wireless communication with Inim anti-intrusion control panels, and in the standard version, without transceiver.

Air2-BXS-RAM

Outdoor perimeter detector

Dual PIR detector for outdoor installation	Anti-dislodgement, anti-opening protection, IR anti-masking
4 PIR sensors (2 on each side)	Battery: ER17505M Lithium 3.6V
Detection mode: infrared emission	Communication type: Two-way
Adjustable range, max. 12+12m on each side	Installation method: wall, pole (outdoor, indoor)
Curtain detection (180° narrow)	Operating temperature: from -30°C to +60°C
DX/SX independent alarm output or general	Installation height: from 0.80 to 1.20 m
Fault output	Dimensions: 93 x 200 x 99 mm
Built-in self-test function	White



Air2-QXI-RDT

Outdoor volumetric detector

Outdoor double technology detector	Anti-dislodgement, anti-opening protection, MW anti-masking
Quad PIR + microwave	Battery: ER17505M Lithium 3.6V
Detection mode: infrared emission and microwave	Communication type: Two-way
Max. range 12m	Installation method: wall (outdoor, indoor)
Coverage angle 120°	Operating temperature: from -40°C to +45°C
General alarm output	Installation height: from 2.20 to 2.70 m or from 0.80 to 1.20 m (pet alley)
Fault output	Dimensions: 78 x 145 x 84 mm
Built-in self-test function	White



ORDER CODES

Air2-BXS-RAM(W)-NB	Wireless perimeter detector for outdoors with integrated Air2-UT100/S transceiver.
BXS-RAM(W)-NB	Wireless perimeter detector for outdoors.
Air2-QXI-RDT-X5-NB	Wireless volumetric detector for outdoors with integrated Air2-UT100/S transceiver.
QXI-RDT-X5-NB	Wireless volumetric detector for outdoors.
BXS POLE MOUNT PLATE	Mounting plate for BXS detector.
CA-1W(W)	Wall mount bracket for QXI detector.
CA-2C(W)	Ceiling mount bracket for QXI detector.



EN 50131-1
EN 50131-2-2
EN 50131-2-4
EN 50131-5-3

QTech

Inim intrusion detectors in wireless and “pet immune” version

The wireless motion detectors in the QTech product line combine the unquestionable sturdiness of traditional anti-intrusion devices and the vast functionalism of wireless communication to effectively answer the need for simplifying installation and configuration of the alarm systems of today. The adjustable sensitivity of the devices and the combination of infrared and microwave technology permit extremely accurate detection of motion inside homes, offices or commercial establishments and the instant activation of the alarm signal. The two-way wireless connection on the 868MHz band ensures the reliability of the security system. The devices are equipped with anti-tamper protection against opening, dislodgement and masking tamper. The ‘Pet Immune’ versions allow you to bypass detection of pets up to a weight of 25 kg and a height of 50 cm.

Volumetric motion detectors

Air2-QIR200W

Wireless digital PIR detector

Digital signal analysis
Coverage: 13m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening protection
Movement and tilt protection

Air2-QIRP200W

“Pet Immune” version

Adjustable sensor sensitivity
Wireless interface Air2
Detectors type: digital dual PIR
Battery type: Lithium CR17450 3V
Detection mode: infrared emission
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm
Weight (with battery): 100g
Operating temperature: from -10 to +40 °C
Relative humidity: ≤93% without condensation



Air2-QDT200W

Wireless digital dual technology detector

Digital signal analysis
Coverage: 10m
Detection angle: 90°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening protection
Movement and tilt protection
Anti-masking protection

Air2-QDTP200W

“Pet Immune” version

Adjustable sensor sensitivity
Wireless interface Air2
Detectors type: digital dual PIR, microwave module
Battery type: Lithium CR17450 3V
Detection mode: infrared emission + doppler effect
Installation height: 2.2m
Dimensions: 120 x 60 x 48 mm
Weight (with battery): 100g
Operating temperature: from -10 to +40 °C
Relative humidity: ≤93% without condensation



Curtain detectors

Air2-QDT600W

Wireless curtain detector with infrared-microwave technology

Digital signal analysis
Coverage: 3m
Side detection angle: 70°
Front detection angle: 10°
Pulse counter
Temperature compensation
White light immunity
Signalling LED
Signals from bypassable LEDs
Anti-opening and anti-masking protection
Movement and tilt protection

Bypassable sensors
Adjustable sensor sensitivity
Wireless interface Air2
Detectors type: digital dual PIR, microwave module
Detection mode: infrared emission + doppler effect
Battery type: Lithium CR17450 3V
Installation method: ceiling mount
Operating temperature: from -25°C to +50°C
Installation height: 3m
Dimensions: 138 x 35 x 32 mm
Colours: white, brown



SmartLink Advanced

Telephone dialer over the PSTN line, GSM/GPRS network as well as a reserve telephone line generator



The SmartLink series of telephone dialers has represented a revolutionary communication tool for the market, offering high safety performance to the end user, as well as simplicity and flexibility of installation/programming for the installer. SmartLink Advanced is another step forward in a historical segment of security communications, anticipating the needs and technologies of the modern security and connectivity. SmartLink Advanced is the answer to the connectivity needs of GSM and PSTN networks that the installer is called on to satisfy. The device is capable of generating a reserve telephone line when the PSTN is unavailable, as well as operating as a GSM voice dialer 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. It also operates as a dual-net digital GSM and PSTN dialer and can transmit information to alarm receiving centres via the most widely used protocols, such as Contact-ID (PSTN) or standard SIA-IP (GPRS). For remote control (up to 200 telephone numbers can be enabled on the white-list), the SmartLink Advanced offers an answerphone with a voice guide similar to that on Inim intrusion control panels. It also provides all the functions related to 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 that 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, thus allowing the end-user to avoid buying other SIM cards for the device. In this way, it is possible to achieve the best possible connection at all times. Between two SmartLink Advanced devices it is also possible to create a link for periodic checks and management of the continuity of the devices themselves. 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 IP address previously programmed for the device. If the installer is on the move and thus 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

	P model	G model	GP model
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	•	•	•
On-board voice module with 15 minutes	•		•
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 supply voltage	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

Anti-intrusion function	•		•
500 event memory (non-volatile)	•	•	•
GSM/GPRS voice and digital dialer		•	•
PSTN voice and digital dialer	•		•
SMS dialer over GSM network		•	•
Manages DTMF commands over GSM network with or without code entry		•	•
Manages DTMF commands over PSTN line with or without code entry	•		•
GSM network or PSTN line priority selection		•	•
Fault signalling (battery, PSTN line down, output trouble)	•	•	•
Diverts incoming SMS texts		•	•
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 dialer functions (voice and digital)	15	15	15
Pre-defined SMS messages for event signalling (customizable)		100	100
Sends dialer 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 up to 200 action-associated numbers (white-list) via Caller ID or SMS message recognition		•	•
Automatic SIM card credit inquiry with programmable threshold		•	•

ORDER CODES

SmartLinkAdv/P	Voice and digital dialer over PSTN line.
SmartLinkAdv/G	Reserve line generator and dialer over GSM/GPRS network.
SmartLinkAdv/GP	Reserve line generator and dialer over GSM/GPRS network and PSTN line.
SmartLink/REM-ANT	Remote GSM antenna with magnetic base (3 mt. cable).
IPS12015	Optional power supply, 1A @ 14Vdc.
LINKUSBAB	USB cable link between PC and SmartLink Advanced devices.
GSM-ANT100B	GSM high-performance antenna (2 meters cable).
GSM-ANT200N	Remote GSM high-performance antenna (2 meters cable).



POWER STATIONS AND MODULES

EN 50131-1
EN 50131-6

Isopower

Power-supply stations



The Isopower power-supply stations provide a stabilized voltage of 13.8V and a maximum current of 2A or 5A, depending on the model.

The Isopower power-supply station connects to the Inim anti-intrusion control panel via the I-BUS. The control panel is thus capable of fully controlling it and of receiving from it all the necessary signals (faults, tamper events, etc.).

The Isopower is equipped with a BUS isolator which keeps the input side of the BUS galvanically separated from the output side. The on-board power supply is capable of powering and

managing all the peripherals positioned downstream of the station.

The Isopower device is therefore to be considered for the purposes of the BUS as an isolator, and as such must be included in the total number of isolators that can be connected in cascade. The battery housed in the station box is controlled by the furnished power supply, that is capable of transferring all the fault and status information which the power station then communicates directly to the control panel.

Main features

		Isopower/B2	Isopower/B5
Input voltage	output	230Vac -15% +10%, 50-60Hz	
	maximum ripple	13.8 Vdc	
		1%	
Output current	total	3.2 A	6.2 A
	for battery	1.2 A	1.2 A
	for loads	2 A	5 A
Ancillary power outputs		3	3
Maximum current that supplied by the auxiliary power outputs		1 A	
Maximum current that supplied by the fault signalling open-collector terminals		300 mA	
Input voltage		230Vac -15% +10%, 50-60Hz	230Vac -15% +10%, 50-60Hz
Integrated battery charger		Yes	Yes
Batteries supervision		Yes	Yes
Battery housing		7Ah	18Ah
Input voltage		230Vac -15% +10%, 50-60Hz	230Vac -15% +10%, 50-60Hz
Dimensions (HxWxD)		27.5 x 37.4 x 8.6 cm	37.5 x 46.6 x 9.2 cm
Weight (without battery)		3.2 Kg	5 Kg
Enclosure protection class (EN 60529)		IP30	
Safety grade (EN 50131-6)		3	
Environmental class (EN 50130-5)		II	

ORDER CODES

Isopower/B2	Power-supply station 3.2A, 13.8V.
Isopower/B5	Power-supply station 6.2A, 13.8V.

Power-supply modules and boxed power supplies

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. It consists of a switching power supply module housed in a metal cabinet where two batteries 12V can be housed too. It is an ideal solution for all that installations where it is not essential to supervise all the power supply parts. All models

provide a thermal probe input. This device 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 (G model); 3A (S model)
Stability: more 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

Switching power-supply in metal enclosure – 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: more than 1%
Over-voltage protected
Short-circuit protected
Output voltage variations based on temperature (manages ProbeTH thermal probe)
Separate battery charger circuit
2 OC fault outputs
3 signalling LEDs
Metal casing

BPS12160G

Switching power-supply in metal enclosure – 6.2A

Battery housing for two 17Ah, 12V batteries
Dimensions (HxWxD): 497x380x87mm
Weight (without batteries): 6Kg

ProbeTH

By adding the thermal probe (optional) to the control panel/power-supply station, it is possible to adapt the battery charge voltage to their temperature, ensuring an improved battery charge process and longer battery life. 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	Switching power-supply in metal enclosure, 3A, 13.8V.
BPS12060G	Switching power-supply in metal enclosure, 2.5A + 1.2A, 13.8V, with separate battery charger.
BPS12160G	Switching power-supply in metal enclosure, 5A + 1.2A, 13.8V, with separate battery charger.
IPS12060S	Power-supply module, 3A, 13.8V.
IPS12060G	Power-supply module, 2.5A + 1.2A, 13.8V, with separate battery charger.
IPS12160G	Power-supply module, 5A + 1.2A, 13.8V, with separate battery charger.
ProbeTH	Thermal probe.



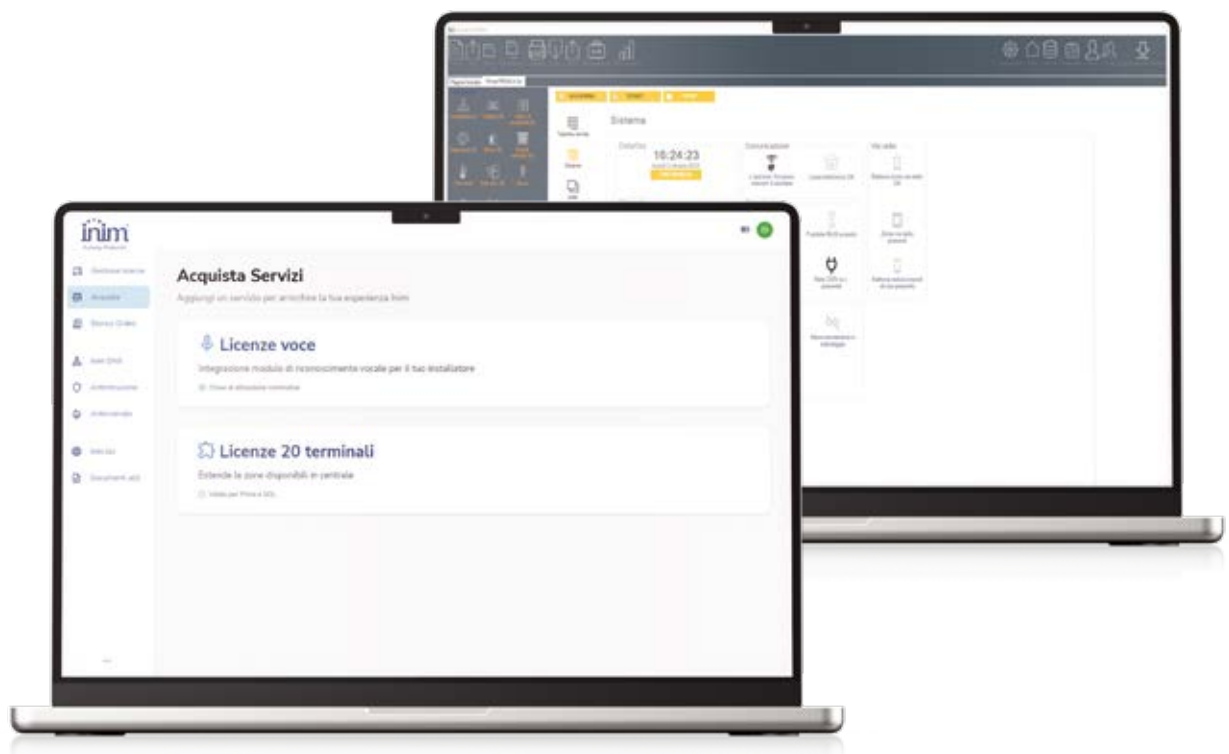
Programming and Management softwares

Programming is flexible, easy and professional

All Inim applications, whether for programming and control or aimed at monitoring and managing security systems, have a modern and intuitive graphic design.

Ease of use and time saving for the installer are the features of our softwares and our systems in general. The interface to our security systems takes place via the channel available at the moment: USB, LAN, WiFi, GSM/LTE, Cloud.

Particular attention was also paid to diagnostics so as to be able to provide the installer with a useful tool for checking the status of the system. In addition to programming software, there are PSIM-type software for monitoring, analysis and reporting of all the systems of one or more buildings, both in the anti-intrusion and fire prevention sectors.





Prime/STUDIO

Programming and control software for Prime intrusion-control panels



Prime/STUDIO is the programming and control software for Prime series intrusion control panels.

Contemporary customizable graphics, ease and power of use of the data setting and diagnostic tools are the cornerstones around which Prime/STUDIO was conceived and designed.

As well as the copy-paste functions, an absolute innovation is the effective multiple programming of objects which have various parameters in common: it is possible to select zones, codes, partitions, events, etc., and program all of the common parameters in one go. For each object it is also possible to access directly the programming of the events it can generate and, in the same way, return directly to the object that was being programmed. Ease of use and the time saving features are truly remarkable. 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. Even the diagnostics of wireless subsystems is also

particularly detailed: it is possible to check the wireless signal strength on each specific 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 local LAN as well as through GSM/GPRS devices. Remote programming is possible and the Cloud offers many advantages: regardless of where the installer is located, as long as there is access to the Internet, it will be possible to program all installations through the Installer's Cloud account without the worry of programming the network. Through Prime/STUDIO the installer can save solutions in the Cloud and thus create a real backup database.

In addition to the control panel Installation, Programming and User Manuals, Prime/STUDIO also contains the firmware updates of the control panel and the PrimeLAN board.

For all registered installers, Prime/STUDIO is downloadable free of charge from the reserved area of the portal www.inim.biz. However, it is only possible to evaluate its functions as the effective connection with Prime control panels is allowed only to identified installers who have adhered to the respective offers and purchased the control panel from the official Inim distributor they are associated with.

SmartLeague

Programming and management software for Inim devices



SmartLeague is the application packet for the programming and control of Inim products. The packet contains distinct applications which, however, maintain the same operating and interface modes. The applications contained allow you to manage the Inim intrusion-control panels, GSM communicators of the SmartLink series, fire-detection panels of the SmartLine, SmartLight and SmartLoop series. A single software packet for all programming needs. The system programming and start-up phases take up a large part of the installer's time at the installation site. More and more of these phases are carried out with the help of a PC. With this in mind, Inim's R&D professionals set out to create a software program that would greatly simplify system programming and diagnostics. This was achieved by adopting a 'visual' approach to these tasks. In fact, while making the 'classic' programming grids available, the installer can alternatively program the system by clicking on the elements of the system itself to obtain contextual menus or suggestions. For example, 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 another 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. With regard to diagnostics, SmartLeague can really make a difference.

SmartLeague provides a clear and interactive view of the system status. For GSM devices, the information provided in real time includes the GSM signal level, the telephone network to which you are connected, any faults present, etc. When the SmartLeague is used for the diagnostics of an Inim system, in detail information regarding the status of the system is obtained. Therefore, you can check the status of the zones, partitions, timers, peripherals and all other system elements. Even the diagnostics of wireless subsystems is notably thorough and allows you to check the wireless signal strength on each specific device whilst at the same time check the level of white noise in the ambient where the device is placed. This feature is extremely useful during wireless-device placement. SmartLeague is also attentive to more complex structures that require data import or export between various PCs or to guarantee different access levels to users. For these reasons Inim has integrated data management and control tools of the access levels. The software is open to all communication channels. SmartLeague is not limited to the simple management of the local RS232 interface but also allows programming and control via PSTN through the Internet by means of SmartLAN series network cards. For registered users, the software can be downloaded, free of charge from the Inim website. SmartLeague can also connect to the control panel via the Inim Cloud. This makes remote programming and control possible, as well as the saving and reading of solutions and the creation of a backup database. Everything across the Cloud.



Sol/STUDIO

Programming and control software for Sol intrusion-control panels



Sol/STUDIO is the programming and control application for Sol wireless intrusion control panels. Contemporary graphics, ease and power of use of data setting and diagnostic tools are the cornerstones around which Sol/STUDIO was conceived and designed: for a completely new wireless control panel. The entire section dedicated to the devices has been particularly taken care of and renewed: dedicated and clear sections for device 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.

As well as the copy-paste functions, an absolute innovation is the effective multiple programming of objects which have various parameters in common: it is possible to select zones, codes, partitions, events, etc., and program all of the common parameters in one go.

For each object it is also possible to access directly the programming of the events it can generate and, in the same way, return directly to the object that was being programmed. Ease of use and the time saving features are truly remarkable. The diagnostics of the entire Sol/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.

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/flashers; in combination with the InimTech Security application and QuickGO technology and making use of a camera (PC or external). Enrolling wireless devices is really quick and easy. Even the diagnostics section has been extensively taken care of: it is possible to check the wireless signal strength on each specific device, the battery-charge level and the level of electrical noise present in the environment in order to assess the device placement.

Sol/STUDIO interfaces with Sol panels using multiple channels: via USB on the control panel board, using the optional module Sol-Lan/S for wired LAN connection, using the Sol-WiFi module for WiFi connection, using Sol-3G for connection to GSM or HSDPA networks with 2G and 3G technologies. Remote programming is possible and the Cloud offers many advantages: regardless of where the installer is located, as long as there is access to the Internet, it will be possible to program all installations through the Installer's Cloud account without the worry of programming the network. Through Sol/STUDIO the installer can save solutions in the Cloud and thus create a real backup database. In addition to the control panel Installation, Programming and User manuals, Sol/STUDIO also contains a section for updating the firmware of the entire Sol system. All registered installers can download Sol/STUDIO free of charge from the reserved area of the www.inim.biz portal and assess its functions. However, only installers who have purchased the Sol control panel from an authorized Inim dealer located in the same region as the installer company can effectively connect it to the control panel.

SmartLook

Supervisory software



SmartLook is a software package for the centralized supervision and management of Inim's 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 is also capable of playing a key role in home-automation installations. In fact, when the SmartLook is combined with the management of the Inim intrusion-control panels, the PC can actually become house manager and take full advantage of the real potential of the control panels. For this purpose, it is possible to obtain the 'lite' Intrusion licence which allows you to manage an intrusion-control panel with all its functions. SmartLook is a monitoring software based on graphic maps. The graphic maps are linked together in a 'tree' structure. Each map accepts an arbitrary number of objects. An object can be an element to be supervised (detectors, partitions, zones, outputs, etc.), a link to another map, a connection to a web page (VCR web interface)

or a command button, possibly with access level control. The system allows you to choose from three 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. The operator can interact with the system in real-time. In intrusion-control systems, for example, it will be possible to check the status of inputs, activate outputs, carry out arm, disarm, bypass operations, etc. SmartLook integrates video functions that allow the integration of cameras and DVR with web interface on the IP network. The SmartLook software is capable of importing the system configuration by reading it directly from the control panel, or by importing it from the SmartLeague software database, thus greatly reducing the time required for programming. 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 which allows the installer to configure the system and the other, dedicated to the user, which provides all the necessary supervisory functions.

Technical specifications

Minimum hardware requirements	Pentium 4 processors (3.2 GHz) / Ram 2 GB / Audio board
Operative system superior	Windows* 2000 Professional with Microsoft* Data Access Component (MDAC) 2.8 or higher Windows* XP, XP 64 / 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 levels	Standard User, Supervisor, Administrator
Supported video resolutions	800x600, 960x600, 1024x600, 1024x640, 1024x768, 1152x964, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024

ORDER CODES

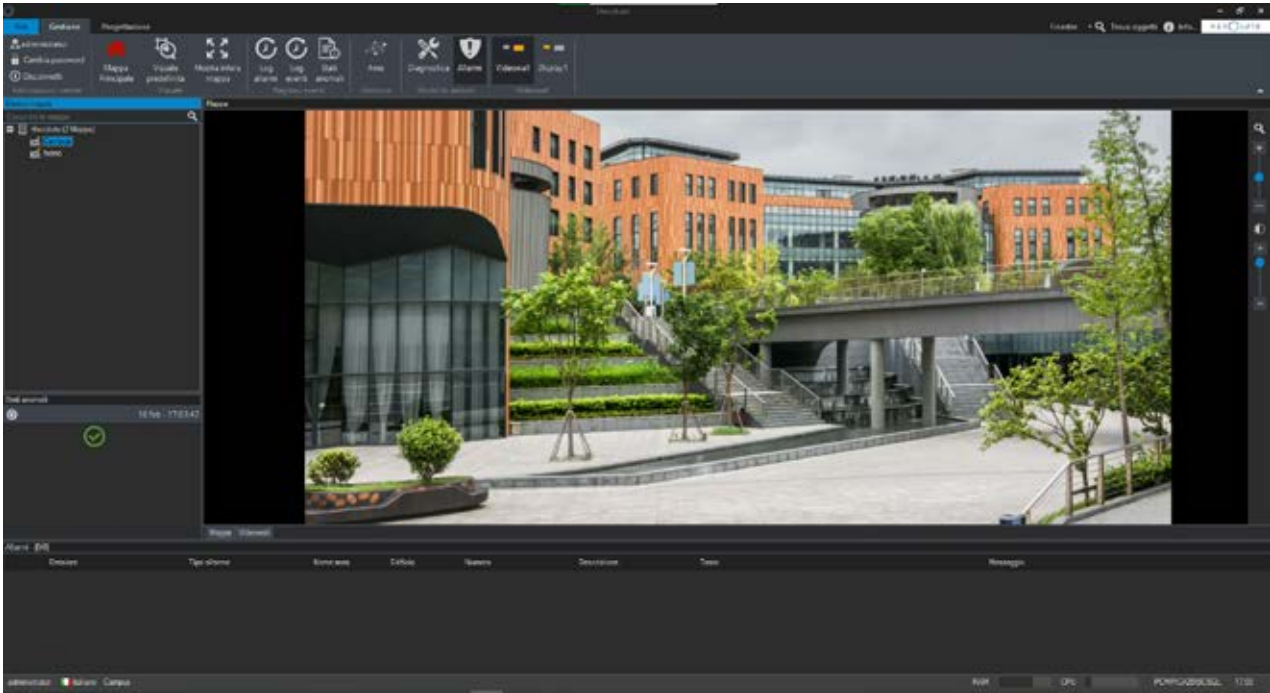
SmartLook/F01L	Fire Licence 'lite' – Licence for the management of one SmartLoop or SmartLine fire-detection control panel. Non-expandable licence.
SmartLook/F01E	Licence for the management of one SmartLoop or SmartLine fire-detection control panel. Expandable licence.
SmartLook/F02E	Licence for the management of two SmartLoop or SmartLine fire-detection control panels. Expandable licence.
SmartLook/F05E	Licence for the management of five SmartLoop or SmartLine fire-detection control panels. Expandable licence.
SmartLook/F10E	Licence for the management of ten SmartLoop or SmartLine fire-detection control panels. Expandable licence.
SmartLook/I01L	Intrusion Licence 'lite' – Licence for the management of one Inim intrusion-control panel. Non-expandable licence.
SmartLook/I01E	Licence for the management of one Inim intrusion-control panel. Expandable licence.
SmartLook/I02E	Licence for the management of two Inim intrusion-control panels. Expandable licence.
SmartLook/I05E	Licence for the management of five Inim intrusion-control panels. Expandable licence.
SmartLook/I10E	Licence for the management of ten Inim intrusion-control panels. Expandable licence.

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



Hevoluto

Security systems management software



Hevoluto is Inim's PSIM (Physical Security Information Management) software capable of monitoring all the systems of one or more buildings (production sites, museums, hospitals, etc.). Hevoluto is capable of collecting and correlating events from various existing security devices and information systems, even if these are of different types, not connected to one another or located in different locations.

Thanks to a single interface, Hevoluto aggregates information from the various monitored platforms, thus allowing operators to identify and resolve risk situations and, in this way, optimize control effectiveness during the operational management of the installation.

The mapping functions it is equipped with make it possible to identify at a glance the portions of the site that are the subject of the event, whilst maintaining an overall view of the entirety of the protected structure.

The great bulk of data automatically retrieved from the system (by continuously interrogating the control panels), is transformed by the software into information that is easy to acquire by all the personnel who monitor the system.

The ultimate goal of Hevoluto is to reduce risk levels, react quickly to danger, reduce costs thanks to its extraordinary scalability in terms of points and types of devices and ensure results by optimizing resources.

The Hevoluto system provides several functions:

- **Collection:** the software collects data from independent security devices or systems.
- **Analysis:** the system analyzes and correlates the collected data, events and alarms, in order to identify real risk situations and their priority.
- **Verification:** the relevant information is provided in an easily readable way, in order to allow the operator to verify the situation.
- **Resolution:** the system indicates operating procedures to solve the problem, these are detailed instructions, previously agreed with the building safety officer.
- **Reporting:** all information and actions taken are tracked for compliance reporting and for a possible more in-depth investigation.
- **Operation traceability:** an additional function to monitor the way in which each operator interacts with the system and which keeps track of any manual changes to the security systems.

Hevoluto can be installed on both physical and virtual machines. Thanks to this feature, the software becomes intrinsically compatible with all the backup mechanisms installed in the underlying machine, which makes it effective in disaster recovery situations and in guaranteeing business continuity. All this makes Hevoluto a system with enormous advantages of scalability and versatility.



Licences

SERVER licences

HV-SVLIC1K	Classic Server Base – Allows the management of anti-intrusion, fire and technological alarms. The management of CCTV systems (requires HV-SVIDLIC licence) and access control systems (requires HV-SVACLIC licence). Includes 1 Operator Client and 1000 data points (anti-intrusion, fire detection and ModBus IP technology).
HV-SVLIC2K	Classic Server Base – Allows the management of anti-intrusion, fire and technological alarms. The management of CCTV systems (requires HV-SVIDLIC licence) and access control systems (requires HV-SVACLIC licence). Includes 1 Operator Client and 2000 data points (anti-intrusion, fire detection and ModBus IP technology).
HV-SVIDLIC	Video Server licence that allows the management of the CCTV system and video sources (IP cameras or DVR/NVR). Does not include camera licences.
HV-SVACLIC	Access Control Server licence that allows you to manage the access control systems and gates associated with it. Does not include gate licences.

DATAPoint licences

HV-DP120LIC	Licence for 128 data points. Requires HV-SVLICxK.
HV-DP240LIC	Licence for 256 data points. Requires HV-SVLICxK.
HV-DP500LIC	Licence for 512 data points. Requires HV-SVLICxK.
HV-DP1KLIC	Licence for 1024 data points. Requires HV-SVLICxK.
HV-DP4KLIC	Licence for 4096 data points. Requires HV-SVLICxK.
HV-DP10KLIC	Licence for 10240 data points. Requires HV-SVLICxK.

CLIENT licences

HV-CLI01	Additional licence for 1 Client workstation.
HV-CLI05	Additional licence for 5 Client workstations.

TVCC licences

HV-CAMLIC001	Licence for the connection to 1 Camera. Requires HV-SVLICxK and HV-SVIDLIC.
HV-CAMLIC016	Licence for the connection to 16 Cameras. Requires HV-SVLICxK and HV-SVIDLIC.
HV-CAMLIC036	Licence for the connection to 36 Cameras. Requires HV-SVLICxK and HV-SVIDLIC.
HV-CAMLIC064	Licence for the connection to 64 Cameras. Requires HV-SVLICxK and HV-SVIDLIC.
HV-CAMLIC128	Licence for the connection to 128 Cameras. Requires HV-SVLICxK and HV-SVIDLIC.
HV-CAMLIC256	Licence for the connection to 256 Cameras. Requires HV-SVLICxK and HV-SVIDLIC.

ACCESS CONTROL licences

HV-ACD001	Single gate control licence. Requires HV-SVACLIC and HV-SVIDLIC.
HV-ACD010	10 gate control licence. Requires HV-SVACLIC and HV-SVIDLIC.
HV-ACD025	25 gate control licence. Requires HV-SVACLIC and HV-SVIDLIC.
HV-ACD050	50 gate control licence. Requires HV-SVACLIC and HV-SVIDLIC.
HV-ACD100	100 gate control licence. Requires HV-SVACLIC and HV-SVIDLIC.



User and Installer applications

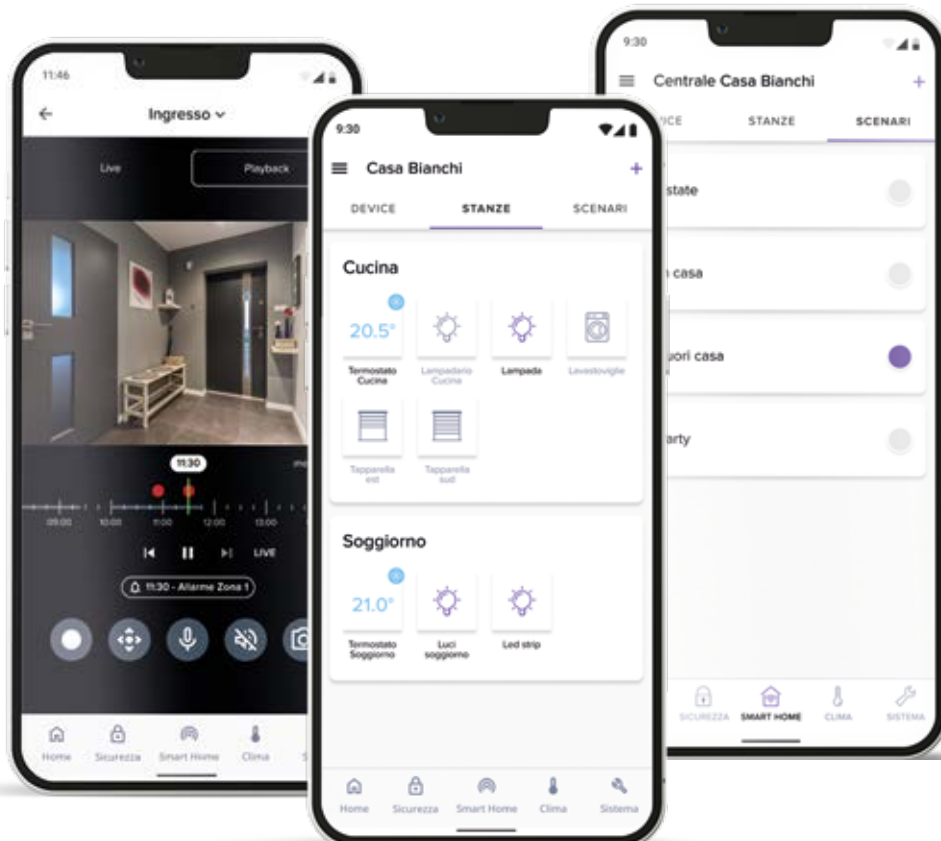
Everything under control, both for user and installer



InimHome is the App that will allow the user to manage their security, home-automation and CCTV systems in a complete and intuitive way. In addition to the normal security and video verification functions, it will be able to manage home automation scenarios, air conditioning, lighting and roller shutter adjustment, load activation/deactivation, automation control and much more. All in a single App



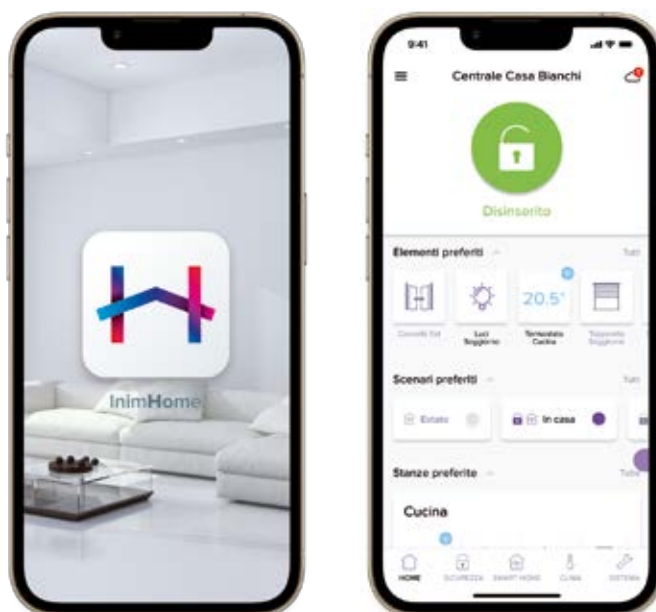
InimTech Security is the App dedicated to the security professional and allows you to conveniently manage your customers, your installations and have at a glance the real-time situation of all your installations. The notification and diagnostic system, the programming of specific parameters, geolocation and other functions will always allow you to carry out targeted interventions.





InimHome

User App



With the Inim Home App, managing security and home-automation systems remotely has never been so quick and intuitive: in a totally integrated way and with a few 'taps', the user has full control of every aspect of their alarm system and of all building automation functions directly from their smartphone or tablet.

The ever more minimal and intuitive graphics of the new version of Inim Home meets the advanced functions for interface customization and programming of commands and activities. On the home page of the App, you can add the most frequently used items as favourites and access them faster, and the 'What's working now' view allows you to have real-time control of the

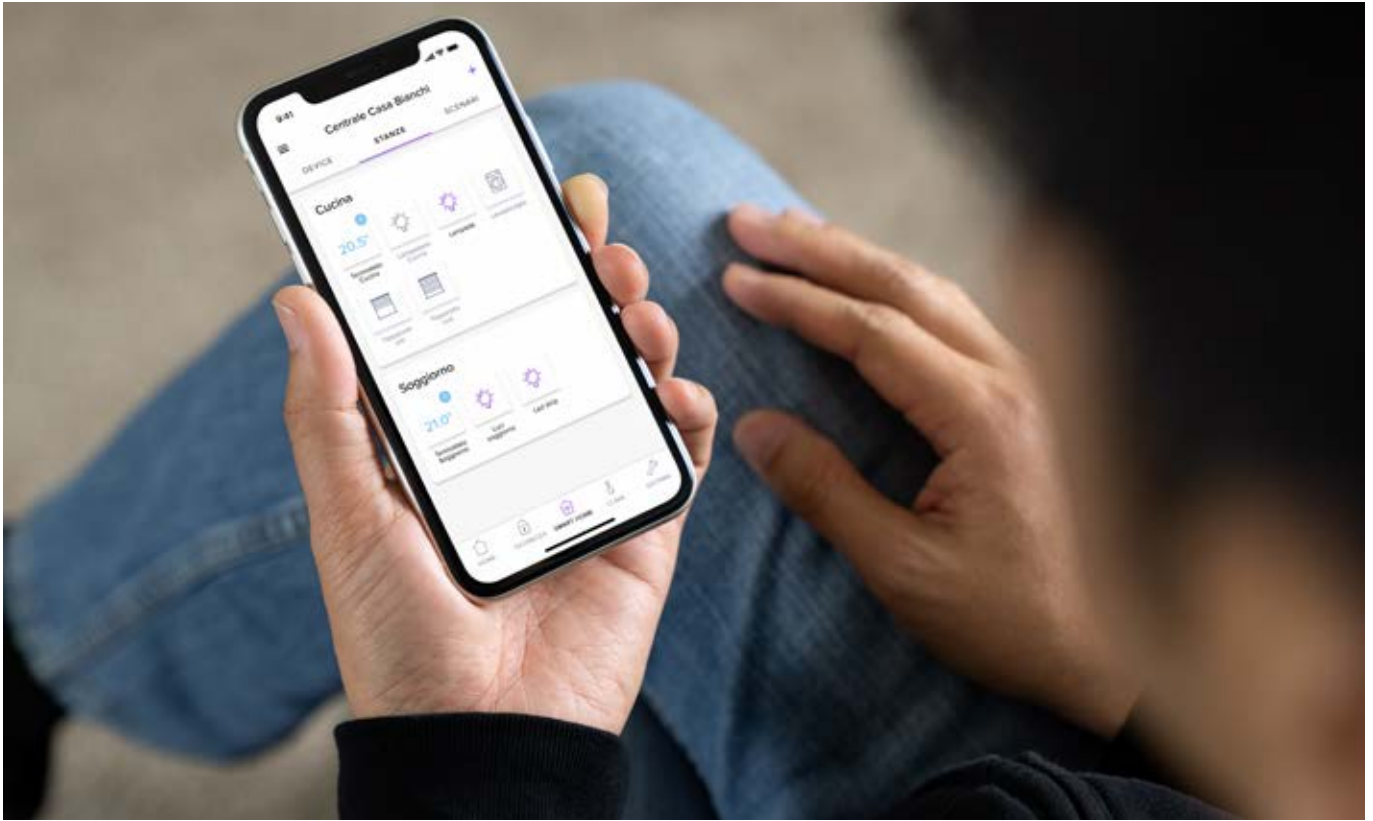
functions active in your home, office or shop.

The new system of rooms and scenarios offers the possibility to manage groups or single commands for each ambient or to configure specific modes by customizing them according to needs and desires, for example a "cinema" scenario would regulate all the home-automation functions in one touch to create the right atmosphere for watching a movie.

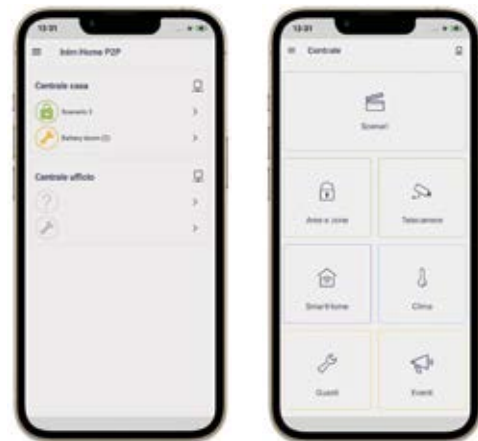
An even more advanced feature is the scheduling option. With InimHome each automated command can be programmed for preset days and times: from the switching on or off of household appliances, to the adjustment of lights and shutters, to the management of the security system.

Main features

	InimHome	InimHome P2P
Arming scenarios management	Yes	Yes
Output scenarios management	Yes	Yes
Categorization of outputs	Yes	No
Zone management	Yes	Yes
Partition management	Yes	Yes
Home-automation commands	Yes	Yes
Roller-shutter management	Yes	No
Groups of outputs	Yes	No
Management of rooms	Yes	No
Home-automation scenarios	Yes	No
Management of favourites	Yes	No
Scheduling function	Yes	No
Communication with the control panels	Cloud	P2P
Number of manageable control panels	Unlimited	Unlimited
Chronothermostat function	Yes	Yes
Camera management	Yes	Yes
Video verification	Yes	Yes
Push notifications	Yes	No
Visualization mode	Complete	Complete and 'light'



Inim also offers 'InimHome P2P', a version of the InimHome App that connects to the control panels via a direct Peer-To-Peer connection. This App guarantees a more stable connection and also allows you to select the visualization mode, to choose between full mode and a more essential mode ('light' mode).



Full mode view

'Light' mode



InimHome



InimHome p2p



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InimTech Security

Installer App



InimTech Security is the Inim App dedicated to the installer. Available free of charge for smartphones and tablets, the APP gives the sector professional the possibility to manage in comfort customers, installations and, more generally, everything that can be managed from the Inim Cloud portal plus other interesting functions.

InimTech Security integrates QuickGO technology which allows fast installation and programming of the Sol wireless intrusion control panel and device enrolling via QR code. Through the InimTech Security App, the installer will be able to access the Inim Cloud portal and obtain complete control of operations. After logging in, the installer will be able to see at a glance if there are any faults or alarms in the systems of his customers.

Additionally, the installer will at all times receive push notifications relating to any faults, even when the application is closed. The alarms can then be saved or it will be possible to make a call and

contact the customer in order to schedule an appointment. The installer will be able to view with ease the peripherals, events, configured partitions and zones as well as the outputs and, if necessary, take action.

Through the InimTech Security App it is possible to associate a control panel to either a new or existing customer by indicating, the customer data (e-mail, telephone numbers, photos, etc.) and, additionally, the system location. In this way, the installer can take advantage of the Geolocation service provided by the App and, using the map, identify and reach installations that require maintenance or assistance. The turn-by-turn navigation software assists the installer in the planning of maintenance appointments based on the locations of the systems.

InimTech Security will allow you to have your own unique identity as an installer; in addition to a profile photo you will be associated with a code that identifies you within the world of Inim services.

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.

Programming

InimTech Security allows you to program Sol control panels via a guided and intuitive path that allows you to set all the fundamental parameters of the system directly from your smartphone. The enrolling of wireless devices can be done by

scanning the QR codes associated with them with the camera, making the programming experience quick and easy even on the move.

Customer Management

The installer has their customer list at hand. IT IS possible to add, change or delete customers. When you select a customer, besides being able to call, send e-mails and associate an image with the account, just like any easy-to-use

address book, with InimTech Security you can also access the systems associated with the selected customer and, for each of them, view the peripherals, events, configured partitions, 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 the current position, displays all the 'nearby' installations. HOWEVER, it is possible to drag the map and view installations

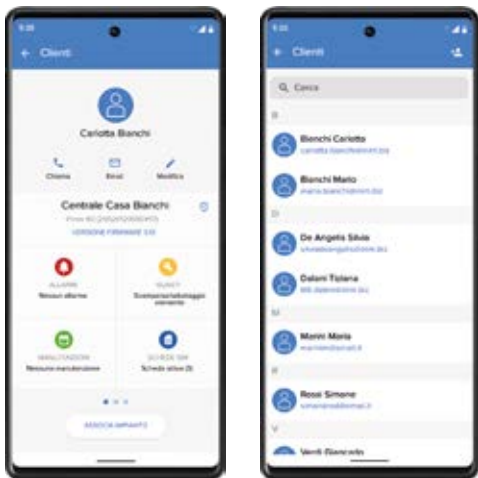
that are further away. This service is integrated with the turn-by-turn navigation software, in order to make it possible to reach with ease the selected system.

Installer Profile

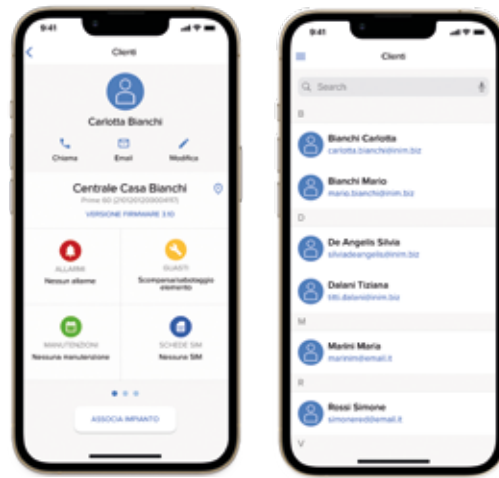
The installer data is collected and shown here. Besides being able to associate an image to your profile, your INSTALLER ID

will be shown (the code that identifies the installer within INIM services).

InimTech Security Android



InimTech Security iOS



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

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Marilyn More

Integrated voice command home-automation and anti-intrusion system

 **arilyn**more



Marilyn More is the new voice system that allows you to manage home-automation and anti-intrusion systems thanks to the integration with the most widely used smart speakers such as Google Nest and Amazon Echo. Compatible with Prime and Sol control panels, it provides an advanced protocol for voice recognition capable of correctly interpreting the words spoken and translating commands into an immediate response, thus enhancing the possibility of user interaction.

After completing the configuration procedure (useful when integrating home-automation appliances) and having associated your Inim account with that of Google or Amazon, the user will be able to manage and supervise the anti-intrusion system by giving voice commands thanks to which it is possible to activate arming scenarios, obtain information on the system status, adjust the lighting, activate home-automation outputs, set the temperature of a room, as well as interact with all the devices in the system.



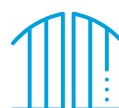
Security system
arming



Chronothermostat
management



Light dimming



Activation of gates
and roller shutters



Operation of
garden sprinklers

 Security & Comfort



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Via dei Lavoratori, 10 - Locality Centobuchi - 63076 Monteprandone (AP) - ITALY
Tel. (+39) 0735.705007