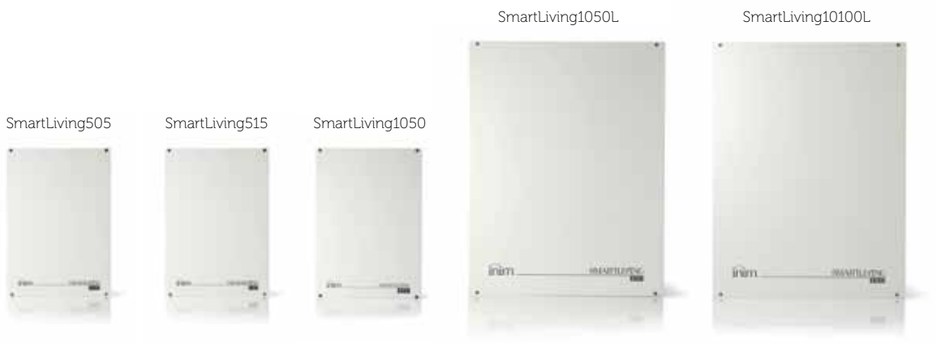
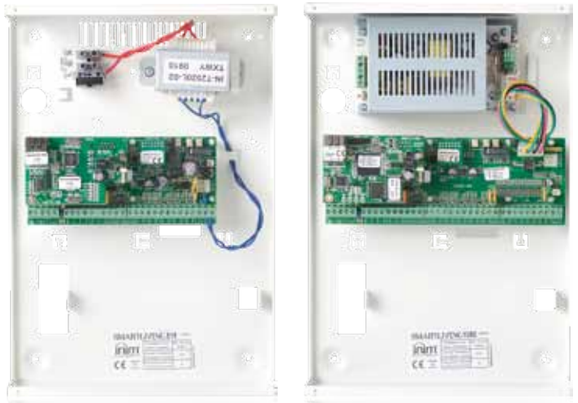
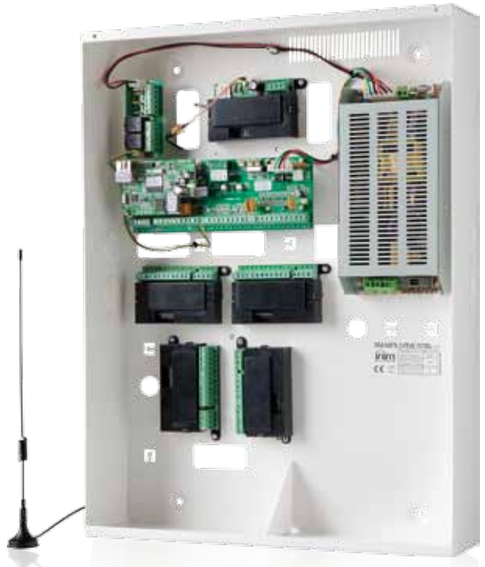
SmartLiving 505/515/1050/1050L/10100L







Scheda SmartLiving505

Scheda SmartLiving515

Scheda SmartLiving1050

Scheda SmartLiving10100

The control panel versions

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

Innovative BUS technologies

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

System functions, features and options

The control panel can be enhanced with a SmartLogos board. As a result of VoIB technology, this board provides a vast assortment of advanced voice functions which make the SmartLiving system a breakthrough product in the sector of intrusion control. The matrix is the brain of the system and allows the correlation of the actions and events the system manages. Each of the system events can be associated with output actions, voice dialler actions and digital dialler actions. The system can be accessed by user codes and proximity keys/cards. It is possible to associate each code/key/card with one of the Weekly Timers which can then be programmed to enable/disable it at certain times of the day.
The smartLiving system can be configured as a "hybrid" system in view of the fact that it is capable of managing both hardwired and "Air2" wireless peripherals. This type of configuration allows it to integrate the new-generation wireless capabilities provided by the "Air2" two-way transceiver. The excellence of connection flexibility offered by the SmartLiving system is yet another of its strongpoints. The system offers an all-set-to-go Voice dialler and a likewise friendly Digital dialler that readily satifies all the requirements of alarm receiving centres. The SmartLiving system can also be accessed and controlled over-the-phone (PSTN) via the SmartModem100.
Additionally, if you wish to provide the system with an alternative communication channel over the GSM network, simply install Nexus. This innovative GSM device manages voice and digital communications, receives SMS commands and sends programmable SMS messages when specific events occur.
The SmartLAN/SI and SmartLAN/G boards offer a level of connection flexibility which is unparalled. These boards provide TCP/IP connectivity and allow the intrusion control panel to send e-mails and attachments. They allow end users/operators to access the system via the Internet and provide a web-server function.
The latter allows end users/operators to connect to the control panel from any PC and verify the status of the system and interact with it. The web-server, embedded in the SmartLAN/G, also allows users/operators to use their Smartphones as SmartLiving wireless keypads, both inside the protected premises, via WiFi, or from any part of the world over GPRS.
The control panel can be programmed from any LCD keypad or via a PC running SmartLeague software. Programming from an LCD keypad is quick and easy, as it is possible to use the default settings which completely eliminate the need to configure the parameters of the Voice dialler and Digital dialler. This programming method is very straightforward, as the operator is guided through the process by means of explicit graphics and easily understandable visual instructions. Configuring the system from a PC is totally trouble free, as it is mainly a series of cut-and-paste and drag-and-drop operations which reduce the operators work to a minimum.
SmartLeague software provides an innovative Text-to-speech function which allows operators to create voice messages by merely typing-in the relative text. This function eliminates all the difficulties attached to normal voice recording. The high-speed RS232 port reduces local on-site programming to a split-second task.

Main features of SmartLiving Systems

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

Operating principles and features of Smartliving system

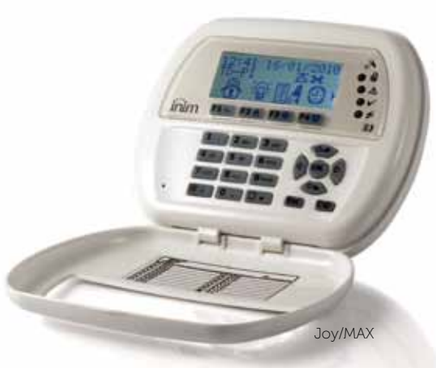
	SMARTLIVING				
	505	515	1050	1050L	10100L
Voice functions on motherboard					
Keypad-to-keypad Intercom (Joy/MAX keypads)	Yes				
Remote Listen-in function with choice of location (Joy/MAX keypads)	Yes				
Voice functions on SmartLogos30M board (accessory item)					
Automatic-Answephone function (customizable)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

• Patent Pending.

ORDER CODES

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

Joy, nCode/G and Concept/G


Joy/MAX


Concept/GB


nCode/GN

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

Joy series keypads

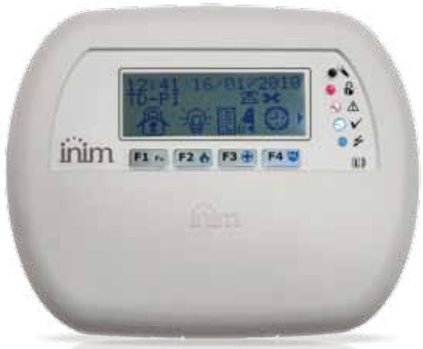
Joy series keypads come in light-coloured casings with keypad-protecting down flips. These attractive keypads provide 4 on-view "Shortcut" keys which also work as "Emergency key duos".
The Joy series keypads are primary Easy4U technology components thus allow users to take full advantage of the "Shortcuts"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

Concept/G keypads

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

nCode/G series keypads

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


Joy/GR


Concept/GN


nCode/GB

The following table describes the main features of the Joy, Concept/G and nCode/G series keypads

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

ORDER CODES

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

Nexus

I-BUS integrated GSM/GPRS module

The Nexus is no "run-of-the-mill" GSM device. It is outside the normal scheme of things and launches the user into the world of connectivity. Nexus offers excellence in operational capabilities. These capabilities are accomplished also thanks to the close integration of the device with control panels from the SmartLiving series. The integration between the Nexus and the control panel is so close that Nexus is no longer an "external" element of the control panel that requires separate programming.
It is an "internal" element of the SmartLiving system and as such is programmed by simply programming the system.
Integrating the Nexus into the SmartLiving system is simple. You simply connect it to the BUS like any other peripheral such as a keypad, a proximity reader or an expander. No other connection to the control panel is required. This allows you to install the device directly on the control panel or, if you need to improve GSM reception quality, install it at a distance by means of a simple I-BUS connection. The distance between the GSM device and the control panel is not a problem, aboveall, if you consider that the BUS can be expanded by means of isolators or repeaters from the IB100 series. When the device is connected externally to the control panel, it is possible to activate the emergency communication functions.
In fact, if the communications between the Nexus breakdown, due to a fault or act of delinquency, the Nexus is capable of sending voice calls, digital reports and SMS messages completely on its own.
When the Nexus is connected to the BUS of the SmartLiving control panel, it can be programmed to send voice calls and digital reports over the landline and over the GSM network (interfaced through the Nexus). The Nexus provides the maximum in freedom of choice and programming simplicity. It is also capable of answering incoming calls, by providing the control panel with an extra number (SIM number). In such situation, the system will activate the Voice menu (which accepts DTMF commands over-the-phone), one of the most appreciated functions provided by the SmartLiving system. The Voice menu is made available every time the control panel calls a user who has access to this function.
The Nexus provides the SmartLiving system with a set of powerful SMS send/receive functions. These functions allow the control panel to send customized SMS text messages for each event and also allow the user to send SMS commands to the control panel, in order to: arm/disarm the system, activate scenarios, activate/deactivate outputs, make queries, etc.
All these operations are code protected (CallerID required). The device is capable of recognizing the user and automatically configuring itself to manage low credit balance or imminent SIM expiry.
If such conditions occur, the device will generate an event in the control panel, and it will be the installer's responsibility to choose the necessary remedy from the many options available (activate outputs, activate voice messages on the keypad, voice or digital calls, send SMS messages, etc.).
The device comes with a practical magnetic antenna and 3 meters of cable for easy installation.

Main Features

Voice dialer over GSM Network
Digital dialer over GSM Network
Sends pre-edited and customizable SMS text messages for each event
Activates control panel shortcuts via SMS text message
Activates control panel shortcuts via CallerID (200 numbers)
Command-done SMS or ring feedback
Divert incoming SMS
Programmable priority-management of PSTN and GSM channels for each event
Answerphone and DTMF command management functions
Device status viewable on system keypad
Automatic Balance check
SMS message notification of device status (GSM provider, credit balance, faults, etc.)
Voice, digital and SMS message Emergency communication
Dimensions (HxLxD): 59x108x20 mm
Weight: 60gr

ORDER CODES

Nexus: I-BUS integrated GSM/GPRS module for SmartLiving control panels

Flex5

Input and Output expansion board

Flex5/P

Flex5/U

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

Main features

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

ORDER CODES

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

SmartModem100

Modem for remote programming and control

The SmartLiving system can be remote controlled and programmed over the PSTN line through a SmartModem. The SmartModem must be connected to a computer which runs INIM's SmartLeague software. The modem interfaces with the computer through a USB port. It is powered directly through the USB port thus avoiding the need of any external power supply. Its reduced size makes placement unproblematic.

Main features

Programmable connection speed (baud rate)	
Automatic calibration os signal amplitude	
Dimensions (HxWxD)	125x100x34 mm
Weight	150 g

ORDER CODES

SmartModem100: modem for remote programming and control.