Prime

Prime system motherboard

Prime control panels

With the Prime control panel, Inim Electronics has created a completely new, all-Italian platform with vast development potential. This cutting-edge product is something completely new on the market and offers an advanced technology that is once again a point of reference in the security sector. The Prime is available in 3 models (60 S - 120 L - 240 L) capable of managing from 10 to 240 terminals, from 10 to 30 partitions and up to 4000 events in the memory. The Prime is compatible with all existing Inim I-BUS peripheral devices and therefore allows easy updating of existing systems. It is suitable for all contexts but finds its niche in application areas where customer and installer needs are more demanding.
Residential applications, especially medium-high range, as well as commercial and industrial applications are to be counted among the typical applications of the Prime system, especially if connectivity is of primary importance. The Prime is in fact natively managed by Inim Cloud thanks to the network card on board the control panel. So you can just connect the control panel to the installation router and it will automatically reach INIM Cloud, simplifying in a decisive way, and even cancelling, the procedures for connecting the control panel to the external world. Connection to INIM Cloud is not mandatory but guarantees a series of additional services for both the installer and the end user. Both will have Web access and will be able to manage their systems from any browser. In addition to Web access, the Prime allows real-time control and management of installations through Apps dedicated to the installer, InimTech Security, and end user, Alien Mobile. When the control panel is connected to INIM Cloud both Apps are able to provide push notifications to the installer or the end user with content characterization for the two profiles. Integrated LAN connectivity offers additional services such as NTP for automatic date/time updates.Besides LAN connectivity, the Prime offers GSM/GPRS connectivity both for the connection to INIM cloud and for traditional signals (phone calls, SMS). Among the connectivity functions it is necessary to mention the PSTN interface on the motherboard that guarantees the sending of voice calls, and calls to traditional surveillance stations.
The Prime integrates a usable USB interface on the motherboard, as the LAN interface, for programming and monitoring of the control panel. Prime control panels are able to detect and manage a large number of events, not only alarms but also faults, tamper, code/key recognition and arming operations, in response to which it can activate visual/audible signals or messages (voice, telephone calls, SMS, e-mails with attachments or push notifications).
The Prime provides automation functions such as programmed arm/disarm operations, chronothermostats and activation and deactivation of outputs. Management of the outputs is enhanced by the possibility of dimming the 230Vac loads. The Prime also has an optional LAN board, Prime/LAN, with webserver functions, graphic maps, e-mail and ONVIF video surveillance that make it even more complete. The Prime guarantees certified safety at maximum level.
The system complies with EN50131 Grade 3 and with EN50136 ATS-6: the highest grade also as an alarm communication system. It should be noted that thanks to its contextual user interface and persistent-alarm block, the Prime makes operations much easier for the end user.

Control

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

Connectivity

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

Functionality

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

Prime

- 3 models: 60 S - 120 L - 240 L.
- From 10 to 240 terminals.
- Up to 30 partitions.
- Simultaneous management of wired and wireless devices.
- Up to 4,000 event memory capacity.
- EN50131 Grade 3 compliance for each model.
- Integrated LAN and USB interface.
- Compatibility with I-BUS devices.
- Metal enclosures for power supplies up to 6A.

Main features of Prime Systems

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

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

Input terminals (zones)	
Self-learning of zone balancing •	Yes
Management of two separate zones on each input terminal	Yes
Input terminals on the control panel for shock and roller blind sensors	10
Input terminals on keypad for shock and roller blind sensors (2 for Joy and Air/HG, 1 for Concept)	2 per Joy e Aria/HG, 1 per Concept
Input terminals on expansion board for shock and roller blind sensors (out of 5 available as input/output)	4
Thresholds of programmable input zones	Yes
Calibration of input thresholds •	Yes

• Patent pending.

Additional functions with optional components	
Advanced voice functions with SmartLogos30M board	Yes
GSM functions with Nexus, Nexus/G and Nexus/3G modules	Yes
GPRS functions and SIA-IP connectivity with Nexus/G and Nexus/3G modules	Yes
Web-server, e-mail, ONVIF cameras, KNX IP standard with PrimeLAN board	Yes

Other features			
Weekly timer with two time slots per day (each with 15 exception periods)		20	40
Manual, daily and weekly programmable thermostats with antifreeze feature (Joy/MAX, Alien/S, Alien/G, Air/HG)	10	15	
Programmable events with timer and counter management	30	50	60
Management of summer/winter time		Yes	
Automatic date/time update with NTP		Yes	
Programmable arming scenarios (settings for partition status and output status)	30	50	
Types of shortcuts for immediate actions		38	
Programmable icons		80	
Number of events that can generate actions		2830	
Events that can be stored in the register		4000	
Choice of events to memorize		Yes	
Management of shortcuts via function keys (12) and number keys (10) on Joy, Air/W and Air/HG keypads		Yes	
Management of shortcuts via LEDs (4) on nBy readers		Yes	
Event-based action generation matrix		Yes	
Generation of action when the event occurs		Yes	
Generation of action when the event restores		Yes	
Zone test from keypad		Yes	
Programming software operates in Windows environment		Yes	

Certifications			
	60 S	120 L	240 L
EN50131-3		Grade 3	
EN50131-6		Grade 3 - AT56	

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

ORDER CODES

PRIME060S: anti-intrusion control panel from 10 to 60 terminals, 10 partitions,3.7A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3 Grade 3.
PRIME120L: anti-intrusion control panel from 10 to 120 terminals, 20 partitions, 6.2A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3 Grade 3.

PRIME240L: anti-intrusion control panel from 10 to 240 terminals, 30 partitions, 6.2A power supply, TCP-IP connectivity, GSM/GPRS connectivity optional and compliant with EN50131-6 and EN50131-3.
PrimeLAN: Ethernet interface for connection to the Internet with TCP/IP protocol, e-mail sending and web-server function and digital communicator with SIA-IP standard.