



We connect Homes by re-inventing Security Products & Solutions

Ksenia Security recently launched what they are terming as “the largest scalable hybrid control panel” that ranges from 40 to over 1000 I/O for Security as well as Home & Building Automation.

The new panel has been designed for the present digital industrial revolution, and in fact is called the **lares 4.0**. It is not only manageable but even programmable from any mobile with a dedicated APP (**Ksenia Pro**) for the Professional Installer only.

According to Ksenia, the new **lares 4.0** represents by far the most advanced and reliable Solution in the digital revolution (**IoT**) in terms of Security (Intrusion, Video-surveillance, Access control) and the Home & Building Automation markets.

Users are able to manage a number of outputs equal to the number of inputs (detectors) in order to control lights, climate, irrigation, automatic doors and windows, or, in short any type of automation or appliances. In other words, on top of all the required security functionalities, even the Smart Home or Smart Building features can now be managed by a single User APP (lares 4.0) and programmed by the Installer from any mobile terminal via the **Ksenia Pro APP**.

In spite of its dimensions, the control panel’s mother board is incorporated with a native Ethernet port as well as the onboard wireless transceiver (868 MHz bi-directional) and so is compatible with all existing wireless Ksenia’s peripherals. These control panels are also equipped with a double BUS system and detachable connectors.

All mother boards are designed to operate directly on-board (with no need to have a communication BUS so as to enhance the transit speed of all data) both the 3G Module (and soon the 4G-LTE) and, where required, the PSTN Module. This ensures that the transmission of voice messages, emails, contact ID and SIA DC-09 Level II Protocol to the CMS (Central Monitoring Stations) is provided in any application communication.

lares 4.0



The Installer APP also enables the centralization and geo- localization of all panels installed and therefore offers the utmost in terms of maintenance and service by means of push notifications even for technical alerts (valid for all IoT panels: **lares 4.0** and lares wls). The lares 4.0 platform has been developed and manufactured with what Ksenia believes to be unprecedented characteristics of power, calculation speed and capacity of memory calculations.

lares 4.0 MAIN FEATURES						
	lares 4.0 wls 96	lares 4.0 - 16	lares 4.0 - 40	lares 4.0 - 40 wls	lares 4.0 - 140 wls	lares 4.0 - 644 wls
Zone Management						
Number of zones (of which radio)	4+32*3	16 (16)	40 (40)	40 (40)	140 (64)	644 (64)
number of customized balancing	1	2	4	4	14	64
Output Management						
Number of outputs (of which radio)	2oc + 16 wls	16 (16)	40 (40)	40 (40)	140 (128)	640 (128)
Virtual Output (timer software)	SI	YES	YES	YES	YES	YES
Motherboard						
1. Programmable inputs/outputs	2 uscite	2	2	2	2	2
2. Inputs	4	8	8	8	8	8
On board 868MHz interface	YES	NO	NO	YES	YES	YES
On board BUS	1	1	1	2	2	2
Siren Connector on board	SI	NO	NO	NO	NO	NO
Software						
Number of partitions	5	6	12	12	20	30
Number of arming modes	8	8	32	32	64	128
#Hashtag number	2	2	12	12	20	64
Rooms number	8	12	24	48	64	128
Timer of time scheduler	4	8	64	64	64	128
Number of stored events	1500	1500	1500	5.000	10.000	10.000
Number of manageable users	16	16	64	128	512	1024
Number of programmable scenarios	8	8	32	32	128	512
Number of events groupings to which associate the scenarios	32	32	64	64	256	1024
Number of IP cameras	4	4	12	12	20	30
Thermostat	1	-	8	8	24	40
BUS management						
User Interfaces (ergo keyboards, ergo S, ergo M, volo, volo in)	3	6	24	24	40	64
Expansion Module (auxi, auxi relè, auxi 10in, auxi-L)	-	4	24	24	64	250
Expansion Module auxi-H	-	-	YES	YES	YES	YES
opis / divide	-	4	12	12	20	32
duo BUS (64 peripherals)	-	2	2	1 (2)*	1 (2)*	1 (2)*
Sirens (indoor and outdoor)	1	6	24	24	40	64
domus moduls	1	-	8	8	32	64
Wireless						
Wireless sensor (poli, nanus, unum, velum, nebula)	32	16	40	40	64	64
imago wireless Siren	3	3	3	3	5	5
opera Remote control	16	16	64	64	64	64
duo repeater	2	2	2	2	2	2
Auxi wireless I/O	8	8	20	20	64	64
Notifications manage						
Number of contact lists	8	8	8	8	16	32
Number of contacts for each lis	8	8	8	8	8	8
Number of events grouping to which associate a list of contacts	16	16	32	32	64	128
Sia-IP Couples of receivers	1	3	3	3	3	3
Contact-ID Couples of receivers	1	3	3	3	3	3
Hardware						
Power supply voltage	15 Vdc - 50W					
Motherboard Power Consumption (max)	100mA					
Temperature range	5°C / + 40 °C 23 °F / 131°F					
Degree of protection IP	IP34					
* If the Motherboard is already having the wls "onboard", n.1 "duo BUS" can be added.						