



Manufacturer: Ksenia Security srl
Model: lares 4.0 platform
Device Type: Security system

CONTACT SUPPORT:

COMPANY NAME:	Ksenia Security srl
SUPPORT CONTACT:	Claudio Laneve
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ADDRESS:	SP Valtésino 44, 63065 Ripatransone (AP) – Italy
NOTES:	Module for control Ksenia lares 4.0 IoT platform for Security and BMS. For license request send processor serial and mac address to helpdesk@kseniasecurity.com Please do not disable the TLS configuration on the lares 4.0 General Option in order to let the driver works properly.



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GENERAL INFORMATION

SIMPLWINDOWS NAME:	KSI14X00XX-X00.umc
CATEGORY:	Ksenia
VERSION:	1.0
SUMMARY:	Ksenia lares 4.0 IoT platform for Security and BMS
GENERAL NOTES:	
CRESTRON HARDWARE REQUIRED:	3-Series with Ethernet card installed
SETUP OF CRESTRON HARDWARE:	Connection: WebSocket – ONLY FOR 3 SERIES PROCESSOR
VENDOR FIRMWARE:	(Very important to include this for device modules)
VENDOR SETUP:	DIN-AP3 connected to lares 4.0 with Cat5 cable through ethernet switch.
CABLE DIAGRAM:	Use standard Cat 5 ethernet cable.



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CONTROL:

<u>Signal/Function Name</u>	<u>D,S,A</u>	<u>Digital, Serial, Analog signal property definition.</u>
License\$	S	Serial number for enable this module.
Mac_Address\$	S	Mac address of Ethernet card of lares
User_id\$	S	User id
User_Pin\$	S	User password
btn_Connect	D	Pulse to open connection to lares
btn_Disconnect	D	Pulse to close the connection with lares
btn_Call_Scenario	D	Call a scene stored on lares
ai_Scene_Number	A	Number of scene to call [from 1 to 512]
btn_Partition_Arm_Delay[X]	D	Arm partition with delay time settings set on lares.
btn_Partition_Arm_Istant[X]	D	Instant arm of partition
btn_Partition_Disarm[X]	D	Instant disarm of partition
btn_ByPass_Input_Tg[X]	D	Toggle state of Zone BYPASS
btn_Set_Output_On[X]	D	Set output X to on
btn_Set_Output_Off[X]	D	Set output X to off



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FEEDBACK:

fb_Invalid_License_Installed	D	Indicates the system is initialize driver.
fb_Login_is_Ok	D	Report On status of device
ao_Internal_Temperature	A	Report Off status of device
ao_External_Temperature	A	Indicates the channel X is report Over temperature Fault
fb_Program_Session_is_Opened	D	Indicates the channel X SOA thermal is active
Message\$	S	Indicates the channel X output is clip state
ao_Mobile_Signal_Level	A	Report signal level of mobile carrier
MobileCarrier\$	S	Report name of mobile carrier and connection type(Hedge, 3g,4g ecc..)
MobileCreditAvaliable\$	S	Report credit of the sim (in local money format)
Tamper\$	S	Report generic tamper error
Fault\$	S	Report generic fault problem
Login\$	S	Report login information or problem
fb_Command_is_Ok	D	Command are accepted by the system
fb_System_Tamper	D	Reports system tamper
fb_Battery_Fail	D	Report battery fail error
fb_Battery_Low_Level	D	Report low level battery
fb_Battery_Charger_Fail	D	Report battery charger is fault
fb_Fuse_Fault	D	Report a fuse fault
fb_Power_Fail	D	Report a power fail of the system
fb_Low_Power_Fail	D	Report a low power supply



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fb_Tamper_Bus_Peripheral	D	Report a tamper alarm of bus peripheral
fb_Tamper_Bus_Wireless	D	Report a tamper alarm of wireless peripheral
fb_Jamming_868_Wireless	D	Report a jammed 868 frequency
fb_Lost_Bus_Peripheral	D	Report lost bus peripheral
fb_Lost_Wireless_Peripheral	D	Report lost wireless peripheral
fb_PSTN_Link_is_Ok	D	PSTN analogic line is ok
fb_PSTN_Line_Ko	D	PSTN analogic line is KO (only if PSTN line was present)
fb_Eht_Remote_Ko	D	Report if system is not able to connect to the cloud (no internet)
fb_GSM_Line_Ko	D	GSM Line KO. Only if GSM system is installed
fb_GSM_Credit_Ko	D	Report GSM credit is 0.
fb_GSM_Expired	D	Report GSM sim is expired
fb_Tamper	D	Report generic tamper alarm (Use Tamper\$ for more information)
fb_Fault	D	Report generic faul. (Use Fault\$ for more information)
fb_Connected	D	1 : Crestron is connected to the system. 0: Disconnected.
fb_Partition_is_Armed[X]	D	Report if partition X is armed
fb_Partition_Alarm_On[X]	D	Report if partition X on alarm
fb_Partition_Timer_Enter[X]	D	Pulsed for 1 seconds to report partition X time to enter is now active
fb_Partition_Timer_Exit[X]	D	Pulsed for 1 seconds to report partition X time to leave is now active
fb_Partition_Tamper[X]	D	Report tamper on partition X
fb_Partition_Ready[X]	D	Report partition X is ready
fb_Input_Alarm[X]	D	Report input (or zone) X is on state alarm



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fb_Input_Masquerade_Alarm[X]	D	Report if input X is masquerade
fb_Input_Tamper_Allarm[X]	D	Report input X tamper alarm are active.
fb_Input_Error_Alarm[X]	D	Report input X error alarm are active.
fb_Input_Bypass_is_On[X]	D	Report if input X is bypassed
fb_Output_is_On[X]	D	Report output X state.



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TESTING:	
OPS USED FOR TESTING:	1.501.0105
SIMPL WINDOWS USED FOR TESTING:	4.08.15
DEVICE DB USED FOR TESTING:	89.00.003.00
CRES DB USED FOR TESTING:	65.00.006.00
SYMBOL LIBRARY USED FOR TESTING:	1045
SAMPLE PROGRAM:	Ksenia_lares_4.smw
REVISION HISTORY:	1.0