

## Technical specifications

	<b>Amica-64</b>	<b>Amica-128</b>	<b>Amica-324</b>
Switching power supply	100-240 Vac; 13,8 V 3,6 A	100-240 Vac; 13,8 V 5,4 A	100-240 Vac; 13,8 V 5,4 A
Battery	1 - 12V - 7 Ah	up to 2 - 12 V - 17 Ah	up to 2 with 12V - 17 Ah
BUS power supply (3,6h)	4	8	8
RS-485 BUS	2	3	3
Maximum number of zones	64	128	334
Maximum number of board zones	8/16	8/16	8/16
Maximum number of wireless zones	64	64	64
Systems	1	8	8
Areas	8	16	32
Keypads	7	14	14
SIMPLYA VIDEO keypad	YES	YES	YES
Proximity readers	8	16	16
Proximity key users	48	64	64
BUS keypad users	48	56	120
AMICAWEB/SMARTWEB module	YES	YES	YES
Dialer	GSM /PSTN (opt.) /LAN (opt.)	GSM /PSTN (opt.) /LAN (opt.)	GSM /PSTN (opt.) /LAN (opt.)
Event log	2.000	4.000	10.000
Maximum number of outputs	38	80	144
Remote commands (speech msg, SMS, web)	102	144	208
Home automation modules (wired/wireless)	32	32	32
BUS sirens (outdoor/indoor)	4	8	8
Control panel Box (L x H x W in mm)	322 x 375 x 94	425 x 380 x 100	425 x 380 x 100

## FEATURES

**EXPANDABLE ZONES**  
8 zones expandable to 64 (A64), 128 (A128) and 334 (A324) also programmable as wireless zones (up to 64 wireless detectors)

**INDEPENDENT AREA**  
8 independent areas for A64, 16 (A128) and 32 (A324) independent arming areas for 8 systems

**RS-485 BUS**  
2 RS-485 BUS independent lines (A64) and 3 independent lines (A128 and A324) for the connection to external devices: keypads, prox readers, IN and OUT expansion modules, home automation modules, power supply, 868 MHz receivers and outdoor/indoor sirens

**USB 2.0**  
Local programming through local USB 2.0 PORT

**USERS**  
Master user, 48 (A64)/56 (A128) /120 (A324) keypad and via WEB users, 48 (A64)/ 64 (A128 and A324) key users and 32 keyfob users with different authority levels (arming/disarming, arming only, command and macro activation, patrol function)

**INTEGRATED GSM**  
GSM/GPRS integrated dialer to send signals through speech, SMS and IP messages with event, area and zone identification. Credit check and prepaid SIM card expiry

**WEB**  
IP LAN interface (optional) for the connection on the local network and on the Internet: user management through web browser and APP and installer remote control through software. Alarm and status signalings via e-mail and through PUSH messages via APP

**USER MANAGEMENT**  
User management of the system through interactive voice guide. Anti-theft, Video surveillance and Home automation functions via web-browser or via exclusive Simplya Smart APP (Android and IOS) with permanent connection between control panel and smartphone

**HOME AUTOMATION**  
Home automation functions for environments and macros: control of lights, automatic rolling shutters and electric loads through BUS and wireless modules; air-conditioning system control through BUS detectors (Simplya keypad is necessary)

**VIDEO SURVEILLANCE**  
Integrated control of Anti-theft + Video surveillance: live up to 16 IP cameras with Amicaweb/Smartweb module

# COMBIVOX / Amica-64 / 128 / 324



SIMPLYA AND SIMPLYA VIDEO: touch screen keypads



AMICAWEB AND SMARTWEB: IP LAN modules



Programming SOFTWARE and remote control via USB, LAN/WLAN and INTERNET

### DESCRIPTION

Amica (64, 128 and 324) is a line of control panels able to satisfy every security need for small-medium- and big-sized residential and commercial security systems. Compliant with the requirements of the EU standards EN-50131, Amica is available in 3 different models able to manage from 64 up to 334 detectors, 64 of which also programmable as wireless zones. It is available in a version with a **GSM integrated dialer and optional PSTN module** to send speech and digital messages and SMS. Speech messages can be customized according to event, area and zone and programmed in 3 ways: 1) through keypads; 2) via PC microphone through software; 3) directly via software (via board-integrated USB 2.0 PORT, LAN, INTERNET) through "TEXT TO SPEECH" function with speech processing system developed by Combivox with voice selection (google, loquendo, at&t, etc.). Possibility to manage 8 (A64)/ 16 (A128) and 32 (A324) arming areas.

Wired outputs (O.C. and relay) associable to events or remote commands (speech messages, SMS, CLIP and via WEB) and RS-485 BUS and/or wireless home automation modules for 220V loads.

The control panels can be managed by keypads, proximity readers, 2-way keyfobs and via web-browser and APP through IP LAN modules (optional).

The control panels have 2 (A64) and 3 (A128 and A324) completely independent high-speed RS-485 BUS lines, that can be connected to the following external modules: keypads;

- 8 wired IN + 2 OUT expansion modules;
- 8 wired output expansion modules (4 relay + 4 OC);
- 220V home automation modules (2 OUT + 6 IN);
- 868 MHz wireless input expansion modules (for detectors, keyfobs and home automation modules) with free programming of the number of zones (1 to 64);
- totally controllable outdoor/indoor siren (battery status, tones, association to the areas);
- additional 3,6 A power supply with siren and OC outputs;
- proximity key reader for the partialization of areas (optional sound module).

### TRIPLE-VECTOR DIALER

PSTN module and LAN module (optional), GSM/GPRS (integrated) dialer to send alarm and special messages (tampering, GSM fault, AC power loss, etc.), through speech messages ID Contact, SMS, IP and e-mails with area, zone and event identification.

### REMOTE CONTROL

Installer remote control and programming via INTERNET (through optional Amicaweb Plus/Smartweb module).

User remote control:

- via telephone through interactive voice guided menu;
- via mobile phone through SMS;
- via web-browser and APP (Android and IOS) to view IP cameras, arm/disarm areas, question the system status, bypass troubled zones, activate remote control outputs, etc.

### SIMPLYA AND SIMPLYA VIDEO KEYPADS, AMICAWEB, SMARTWEB

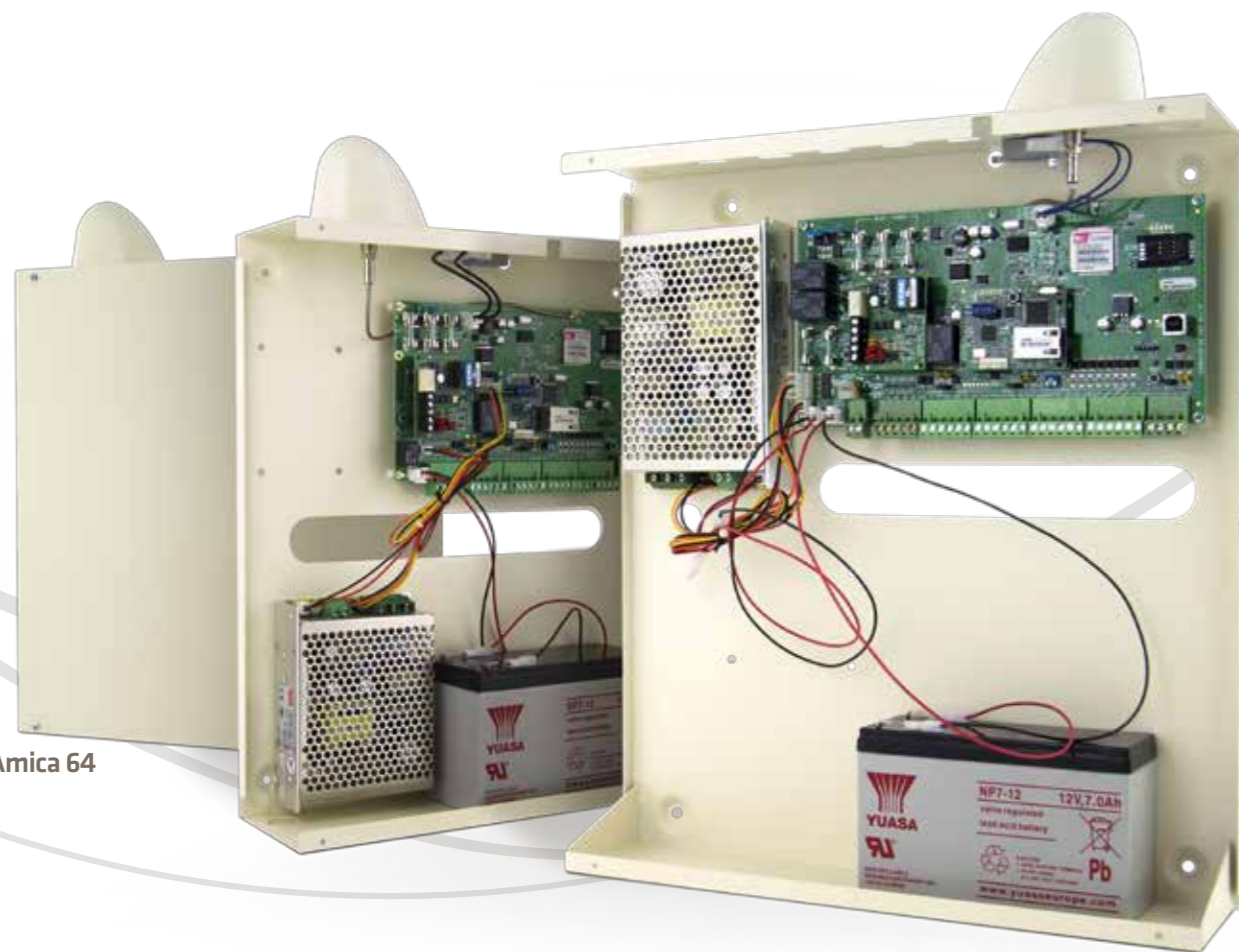
New 5" touch screen **Simplya** keypad for Anti-theft and Home automation functions.

8" touch screen Wi-Fi **Simplya Video** keypad-monitor for the management of Anti-theft, Home automation and Video-verification functions (up to 8 IP cameras). Exclusive function that allows to create video-alarms on zone alarm, with 8-sec pre-recording and up to maximum 30 sec., that are logged in an internal storage and sent through e-mail attachments.

**Amicaweb Plus:** IP interface Plug & Play IP LAN module for the system management via web-browser and the status and alarm e-mails sending; live visualization of IP cameras.

**Smartweb:** IP LAN module on RS-485 BUS for the user management of Anti-theft, Home automation and Video-verification functions through the APP Simplya Smart (Android and IOS): immediate warning of alarms and faults (push messages) and video-alarms on zone alarm or control panel events (arm./disarm., system fault, etc.).

Amica 64



Amica 128/324

The pictures of the products are provided for illustrative purposes, their sizes are approximate (batteries are not included).

## RS-485 BUS and 868 MHz wireless system



### 2-way 868 MHz multi-frequency wireless expansion modules with Automatic Frequency Skip function (AFS)

- Up to 4 two-way RS-485 BUS receiver modules configurable to manage up to 64 wireless zones and up to 32 home automation modules
- 2-way **keyfob** with three-colored led and 4 function buttons programmable for arming/disarming, commands and scenarios
- **Indoor detectors:** dual channel transmitter (reed contact for external magnet, auxiliary contact or string roller shutter detector with digital pulse counter), up to 12-m PIR volumetric detector, curtain PIR detector and antishock detector with auxiliary input
- **Outdoor detectors:** triple technology (2 PIR + MW) volumetric detector with 12-m maximum range; triple technology (2 PIR + MW) PIR curtain detector with up to 12-m range

### Keypads: Unica, Flexa, Sohle, Simplya and Simplya Video

- 5-led and double-line display (Unica) and graphic 5-line display with icons (Flexa and Sohle)
- 5" (Simplya) and 8" (Simplya Video) touch screen coloured display with user interface with icons
- BUS RS-485 connection (Unica, Flexa, Sohle and Simplya)
- Wi-Fi connection (Simplya Video) through Smartweb and Wi-Fi WAN modules
- Glossy polycarbonate keypad with aluminium outlines (Sohle), polycarbonate keypad with chromed frame (Flexa), ABS and polycarbonate keypad (Unica), 16-mm slim polycarbonate keypad (Simplya) for fixing in 503-type box, 20-mm slim MDF frame (Simplya Video) for wall mounting
- Microphone and loudspeaker for user speech guide (Unica, Flexa, Sohle and Simplya)
- CHIME function (Unica, Flexa, Sohle and Simplya), for open zone signalling
- Integrated proximity reader (Flexa and Simplya)
- Chronothermostat function through BUS sensor (Simplya and Simplya Video)
- Room-temperature sensor (Flexa and Sohle)



### Proximity reader and sound module for RJ45 adapter

- **Proximity reader** with high range omnidirectional receiving antenna
- 4 leds (green, red, yellow and orange) each associate to a function such as arming/disarming of one or more areas, command activation, alarm memory, system fault and key macro
- Key programming with association of different functions to different readers
- Optional **sound module** for RJ45 adapter for system and warning speech messages



### GSM/GPRS, PSTN

- Integrated GSM/GPRS dialer (Amica with GSM) and optional PSTN Plug & Play module
- Speech messages, ID Contact and SMS programmable with area, zone and event identification
- Special signalings in predefined speech and SMS messages
- **AMICAWEB PLUS**, Plug & Play module for the connection to the LAN network/INTERNET. User management of Anti-theft, Home automation and Video surveillance functions (live visualization up to 16 cameras) from any device through web-browser; technical programming and remote control through software. E-mail sending for alarm and status signalings.
- **SMARTWEB**, BUS RS-485 module for the connection to the LAN network/INTERNET. User management of Anti-theft, Home automation and Video-verification functions from any device through web-browser via Simplya Smart APP (Android and IOS). Programming and remote control through software. Endowed with 4 IN + 2 relay OUT. It allows the connection to one or more Simplya Video keypads through Wi-Fi WAN module.



### Input - output expansion modules

- **8 IN + 2 OUT expansion module;** pulse counter for fast contacts; inertial zones; zone doubling for each input.
- **8-output expansion module** (4 OC and 4 relay) associable to events or remote commands.
- ABS box for the housing of expansion modules
- Monitored switching **power supply board** 3.6 A: AC power and battery check; 1 programmable OC output; 1 siren OC output
- Steel box for battery housing (7 - 17 Ah) + power supply board and two expansion modules (inputs or outputs)



### Home automation modules

- RS-485 BUS and Wireless 868 MHz **home automation modules** in 504-type box to manage loads up to 5 A consumption and 220 V. Version for rolling shutters: 2 relay outputs + 6 inputs (local opening and closing, lock, safety lock, remote controlled opening and closing). Version for the lights control: 2 relay outputs + 6 inputs (2 pulse, 2 bistable, 2 for step-by-step command).
- **KNX IP interface** for the Combivox control panel management through the KNX standard. Connection to the control panel through Amicaweb Plus module or Smartweb; programming through specific software. DIN guide mounting.
- RS-485 BUS **room-temperature sensor** for the control of air-conditioning system (up to 8 for A64, up to 16 for A128 and A324). At least one Simplya keypad is necessary: 2 OC outputs for zone electrovalve command, ON/OFF, heat pump and status led.



### Monitored remote power supply

- Completely monitored 3.6 A switching power supply
- Dynamic battery check and constant AC power check
- Battery disconnection function in case of extended AC power loss with a warning SMS sending
- 1 OC output associable to event or programmable as remote control; 1 siren relay output
- BOX module for battery housing (7 to 17 Ah), power supply board and 2 expansion boards (inputs or outputs)



### Sirya RS-485 BUS outdoor siren

Ultra bright flashing LED with additional LED strips. Parameter setting by keypad or through programming software. ABS box and polycarbonate flashing led; anti-drilling and anti-breakage steel internal cover. Protection through a sensor, able to detect the approaching of individuals and touching. Battery status and tampering check (anti-removal and anti-approach tamper) with specific signalings through the dialers available in the control panel. (PSTN and GSM dialers for speech and SMS messages, E-mail, Push Messages on APP)

### Sirya RS-485 BUS indoor siren

Available with or without the ultra bright flashing led. White ABS box. High-power sound piezoelectric buzzer. Areas associable to alarms and arming/disarming

### Sirya 868 MHz 2-way wireless outdoor/ indoor siren

Outdoor and indoor 2-way wireless sirens with ultra bright led and local power supply. Configuration parameters include: tone (up to 8 different tones) and time-operation, areas associable to alerts and status signalings. Monitored