

App for Smartphones

Technology, Reliability and Flexibility

Secure Solutions for Communications and Access Control

AA-560 manages an external or internal access in a two way hands free communication through the international VoIP/SIP standard connection for the IP Video Telephony. The system is equipped with PoE (Power Over Ethernet) and can operate either in Peer-to-Peer mode or registered to a SIP proxy server as an extension of IP-PBX. **AA-560 is particularly suitable for applications in civil, industrial and heavy environments where robustness, reliability and durability play a decisive role.**

Manufacture

Vandal Proof Stainless Steel, weather-resistant with internal anti-humidity heating. The circuit boards are protected with "Conformal Coating" paint against humidity and dust. The front screws in a special vandal proof footprint ensure an high safety.

Installation, controls, inputs

Flush mounting or wall mounting with steel box and rain shield (optional). 2 integrated relays for door openers. Manage 6 external signals (3 optoisolated and 3 by clean contacts) for specific functions, i.e. the control of the effective door or barrier closing.

Flexibility, expansions

The base system comes with 1 button and is expandable to unlimited number of call numbers with optional keyboard module.

Programming

The system programming, simple and intuitive, is accessible from a web browser interface with password protection.

Pre-recorded voice messages

AA-560 can be equipped with pre-recorded messages for voice alerts to the visitor and/or the internal operator (Option). Autoreply feature with programmable time.

Automatic announcements at pre-set times

It is possible to program the paging of announcements at predefined times, both on local loudspeaker or streaming to other devices.

Multicast Audio Streaming, Audio Amplification

AA-560 can send and receive RTP Multicast Audio and play it on speaker, i.e. Audio for Paging Audio ads. For acoustic sound in large rooms requirements, are available 30 W amplifiers and speakers.

H263, H263+, H264, MJPEG Video Streaming

Video streaming on standard SIP video phone, softphone on PC or with TEMA software "Videoconsole" for up to 16 video terminals, real-time and from an unlimited number of PCs with Windows OS.

Security

When a button is pressed, the image of the caller is taken and archived with date/time, the image can be sent to a specific e-mail address set in the parameters. Other security features are included.

Smartphone APP, remote operation

From the Smartphone APP, free download, it is possible to communicate and operate from any of the world as in the local area.



Benefits

- ◆ Pure VoIP IP LAN standard connection, PoE
- ◆ 1 call button
- ◆ Expandable with keypad module
- ◆ Handsfree talking, High Audio Quality
- ◆ Security system for remote access control
- ◆ Easy programming by password protected Web Interface
- ◆ Multicast Audio Streaming for Paging RX/TX
- ◆ Video Streaming over IP Video Phone, PC with TEMA "Videoconsole" software or standard Softphone, Smartphones
- ◆ APP for Smartphone, free download
- ◆ Optional USB internal Camera
- ◆ Database archive of caller images with date/time
- ◆ Taken pictures sending via SMTP TLS encrypted mail
- ◆ Access codes with sequence programmable buttons
- ◆ 2 integrated relays for door opening
- ◆ 3 Inputs from external signals, SIP Call Button service + 3 additional external optocoupled inputs
- ◆ 2nd SIP account for relay activation in the night call
- ◆ Led for active call signaling
- ◆ Audio messages informations sending to the caller
- ◆ Protection of the electronic boards with "Conformal Coating" paint against humidity and dust

Applications, Target

- ◆ Companies, Offices, Factories, Industries
- ◆ Hospitals, Schools, Campus, Communities
- ◆ Warehouses, Supermarkets, Shopping Centers
- ◆ Parking, Garage, Barriers, SOS and Emergency systems
- ◆ Access controls and Alerting and Emergency systems
- ◆ Railway Stations, Airports, Ports, Prisons

Technical Specifications

Call buttons:	1 stainless steel button
LAN, protocols:	TCP/IP Network 10/100BaseTx, SIP 2.0
Camera:	USB, Color, 640Hx480V, 70° view angle
Grade of protection:	IP66 (with system properly installed)
Closures:	4 steel screws with vandal proof footprint
Label holder:	Led backlight, fire resistant covering
Heating circuit:	electronic, internal
Operating modes:	Day/Interval/Night
Duration of recorded messages:	16sec std (16 min. opt.)
Audio:	1,3W + other external speaker 1,3W-8 Ohm
Multicast Audio Streaming:	G711μ, G711a, G722, 16-24-32 kHz
Video Streaming:	H263, H263+, H264, MJPEG codecs
Auto answer:	programmable time
Talking:	handsfree
Power Supply:	PoE, PoE Injector or external power supply
External Power Supply (Opt.):	AA-39AL 220Vac/12Vac-1,5A
Assorbimento:	max 800mA
PoE:	802.3af class 0 12,95W
Audio Bandwidth:	300 – 3400Hz
Audio sound pressure:	89dB (1KHz @ 1 meter)
Microphone:	electret omnidirectional for max distance 8mt
Operating indicators:	front Led and Tones
Programming:	web interface and password
Technology:	IMX25 400MHz microprocessor, micro-SD
Capacity of the 2 internal relays:	max 30Vdc – 1,5A
Housing material:	Stainless Steel 316L
Operating temperature:	from -20° to +55°C
Storage temperature:	from -20° to +65°C
Umidity:	up to 95% non-condensing
Installation:	flush mounting, wall mounting (optional box)
External dimensions:	L123xH218xD14mm
Internal Flush Dimensions:	L104xH206xD44mm
Weight:	1100 gr

Products

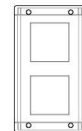


AA-560 1 button base system
AA-560C Version with IP camera



AA-539K Vandal Proof keypad module and backlit index area

AA-539R 2 backlit index areas



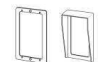
* Note: delivery includes the metal box and all the accessories for flush mounting of the system.

Optionals



AA-39AL 220Vac/12Vac-1,5A Power Supply

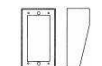
AA-39AL1 220Vac/2x12Vac-15VA Power Supply in standard DIN rail housing



AA-549-C1 Wall cover metal frame

AA-549-T1 Frame complete of shield

AA-549-S1 Complete stainless steel box with shield for external wall mounting



Other products from IP-SIP and "Smart Surface" family



AA-540 Wall mounting compact version, with or without camera, buttons expansion modules, backlit keypad and index module.



AA-550 Flush and Wall mounting version, with/without IP Camera, buttons expansion modules, backlit keypad and index module.

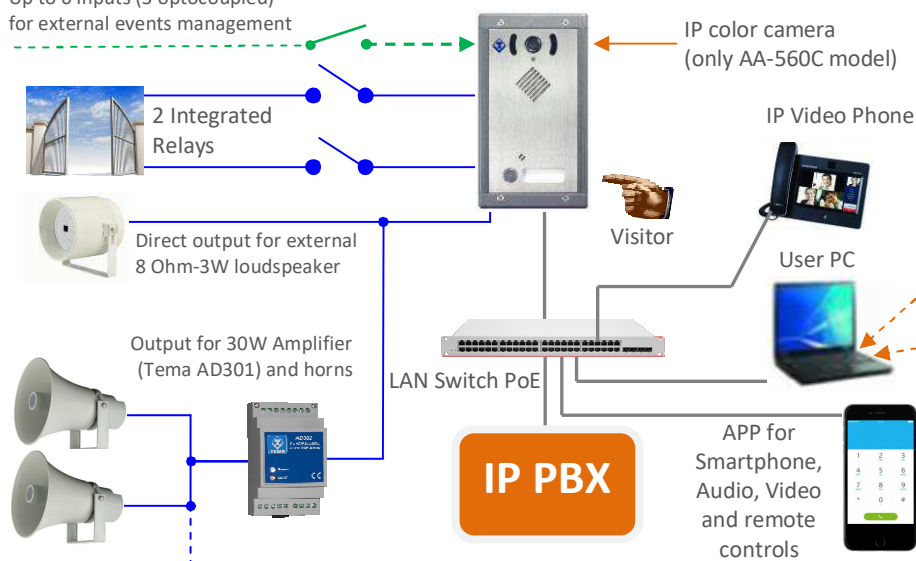


AA-546 4 buttons system with integrated Vandal-Proof keyboard and RFID Reader for Smart Card and Tag

System equivalent to AA-540 with integrated Vandal-Proof keyboard and RFID reader



Up to 6 inputs (3 optocoupled) for external events management



Typical Application

Audio and Video with standard "Softphone"



Audio and Video with TEMA Software "Videoconsole" on Windows PC, up to 16 panels for workstations with AA-560C

IP COMMUNICATION AND SECURITY COMPANY



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