

# Datasheet ADEBUS GAPID

## Control panel for sensors Gapid SR management

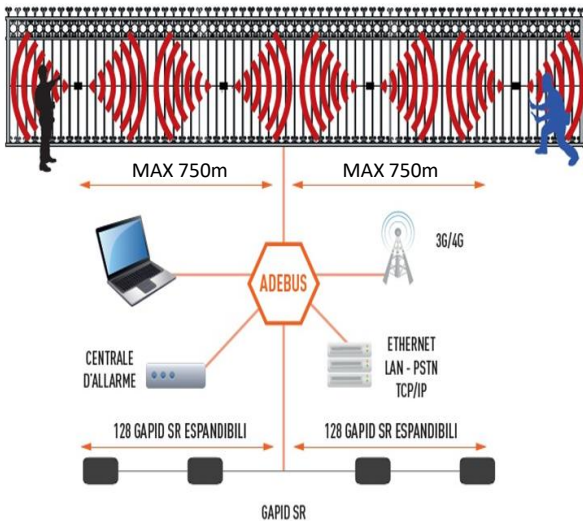
ADEBUS GAPID is a monitoring center for managing up to 256 sensors arbitrarily divided into 2 branches (maximum length 750m each) using both the serial ports Com1 and Com2. ADEBUS manages, supervises and configures each Gapid SR sensor (or groups), combined with ADEBUS hardware boards, prepared with the appropriate firmware, reachable through a TCP / IP connection.

This system finds its ideal use for the management of sensors for perimeter protection of areas of large surfaces. The sensors in fact allow the detection of climbing-cutting-breaking through nets, fences and walls (anti-breaking).

It is equipped with an internal algorithm system that allows multiple sensors to be installed on the same site in different applications and real-time management of each individual vibration. The main features of this system are:

- Detection of each alarm of the single group or sensor.
- Possibility to interact on all system parameters, to know and modify the state of the sensors (single or group).
- Each sensor, single or in group, can be configured and verified in real time: all operations can be performed locally or remotely via WEB.
- Store and download up to 32000 events on PC.

CHARACTERISTICS	
ENABLED FOR PRODUCT COMMUNICATION	256 Gapid SR
MANAGEMENT SOFTWARE	Proprietary software complete with graphic interface with plan for localization and sensor configuration
SERIAL PORTS	2 RS485 (1 on demand)
SERIAL BUS LINE LENGTH	750 m for each line with indicated cable
EVENT MEMORY CAPACITY	32000 exportable
OUTPUT COMMUNICATION PORT	LAN
REAL TIME MANAGEMENT	Status of each sensor or group
OUTPUTS	3 Relay on Adebuss SC 16 Relay on Adebuss ESP (accessorio) up to 4 Adebuss ESP
POWER SUPPLY	220V with internally power supply 13.8V
BACKUP BATTERY	Lead Acid 12V 17Ah max
PROTECTION IP	IP 44
DIMENSIONS HXLXP	400 x 320 x 135 mm



## ACCESSORIES

Second serial port  
**ADEBUS S2**



Relays Expansion board  
**ADEBUS ESP**



RS485 Cable  
**RS485 GAPID SR**



# Datasheet GAPID SR

## Accelerometric Sensor connected via BUS RS485

Gapid SR forms an intelligent system composed of a series of MEMS accelerometric sensors with high technological development. Gapid is an anti-climb, cut and break-in sensor for the perimeter protection of nets, fences and walls (break-in only). Each sensor can work independently, on the system they are connected in series via interconnected RS485 cable. They can be mounted in any position and in any application thanks to their high IP degree and their high level of intrinsic signal processing.

### STANDARD APPLICATIONS

1	Light Metal Fence
2	Thick Metal Fence
3	Net with non-welded links
4	Rigid \ welded mesh
5	Walls (anti breakthrough)
6	Windows and Indoor (anti breakthrough)



### CHARACTERISTICS

MAX AREA COVERAGE	5m diameter
PROGRAMMING	Via Adebuss – serial bus RS485
FUNCTIONS	6 Functions for standard application
	3 Functions of selfacquisition (1 for alarm, 2 for not alarm)
POWER SUPPLY	7 – 24 Vcc from Adebuss Panel
ADDRESSING	Automatic
TECHINICAL OUTPUTS	Deactivation / OFFLINE
OUTPUTS	Alarms and Tamper on SERIAL RS485
DIMENSIONS (LxHxP)	98 x 66 x 25,5 mm
MATERIAL	Anti-scratch black polycarbonate, UV resistant
WORKING TEMPERATURE	-40°C / +80°C
IP PROTECTION	IP 66

### ACCESSORIES

Fixing plate and screws of different sizes included

