INSPIRE TECH SYSTEMS

75 mm

22 mm

THIS SIDE TOWARDS SKY

53 mm

New Model **3G Low Cost**

Compact, Versatile, and Multifunctional!

The Vista 3G23 is a device that offers much more than just a simple position. Its powerful event engine enables it to provide intelligent reports in high value added logistics and security services that other devices, of the same cost, can't offer.

☑ Integrated Intelligence

Vista 3G23 isn't configured, it's programmed. The fundamental difference is that the functions of the device do not depend on something that's pre-established; instead, through the GAP language, you can execute small logic programs, perform simple mathematical operations, or create your own reports.

☑ Power Manager

Enables the proper functioning of the device without discharging the main battery; even when the vehicle's engine is off.

☑ Access Code

Ensures that the device configuration and stored information can only be accessed by enabled users.

☑ Authenticity of Reports/Messages Sent

The Vista 3G23 is equipped with the capability of issuing a digital signature to each message sent in order to establish the authenticity of those packets. If this feature is enabled, it eliminates the possibility of receiving incorrect or malicious data within the global network.

☑ Storage Capacity

The Vista 3G23 has the capacity of storing the last 18,000 reports and processing them later.

☑ Connectivity

Its multiprotocol support gives it the capability to connect through different types of devices such as cellphones, two-way digital radios, or satellite transceivers. When the connection is done through the Internet, its DNS name resolution capability enables an exclusive power to clients who possess registered domains and change IP addresses suddenly.

☑ Management and Logistics

Vista 3G23 offers a full and efficient solution when analyzing, processing, and saving information related to the journey, harsh braking, idling time, engine RPM, vehicle status, and driver information.
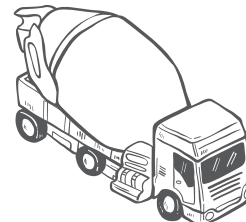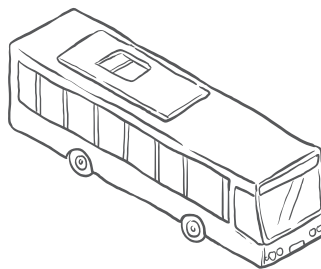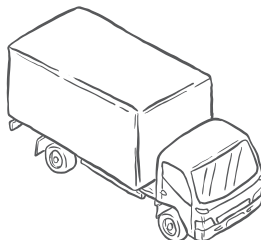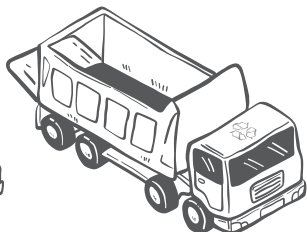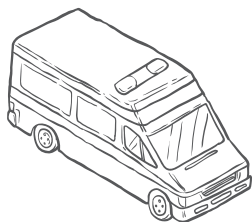
☑ 3-Axis Motion Sensor

Detects any alterations in position and/or vibration of the vehicle; whether it's being towed or has started to shift. If the device is in low power mode (GPS OFF), it can come out of that status and send a report to the base.

☑ BCM (Battery Charge Management)

It is of utmost importance for a device that works with batteries to have a proper charge/discharge manager in order to optimize its performance. This manager can be configured according to the needs and/or performance level required; extending battery life.

0101 0101 **Intelligent FOTA**

3D Motion Sensor

Nano Power Battery Mode

66 Channel GPS receiver

Jamming Detector

FLASH **18000 Reports**

Power Supply	8 to 38 VCC	General Use Records for Calculations	32 (16 non-volatile)
Internal Backup Battery	Internal model 3.6V 250mA - Lithium-Polymer (optional)		Configurable Printout Format
Power Supply Protections	Up to +100 VCC in continuous form		Supported Mathematical Operations:
	Hasta -400 VCC in continuous form		= : Assign Value
Consumption	30-40 mA in active mode (24 VCC)		+ : Addition
	< 8 mA (GPS OFF)		- : Subtraction
	< 0.25 mA in full sleep mode (Kernel ACTIVE)		* : Multiplication
Operating Temperature Range	-20°C to +70°C (without backup battery)		/ : Division
Humidity	95% at 60°C		% : Module
Case	Injected Nylon		A : Logical Operation AND
Dimensions	75 mm x 53 mm x 22 mm		O : Logical Operation OR
Weight	65 Grams (no battery)		X : Logical Operations XOR
GPS Module	22 (Tracking) / 66 (Acquisition)		Q : Square Root
	< 35 second cold start (average)		^ : Power
	Position precision: 10 meters, 2D RMS - 5 meters, 2D RMS, WAAS enabled	Incoming Data Processing	2 totally configurable triggers.
	Speed precision: 0.1 m/s		Binary texts or data incoming from any data port can be processed and/or converted
	Time precision: 1us synchronized with the GPS time		Ex:
GPS Antenna	Internal – Optional external antenna active 27 dB		Serial Port (TR0)
Cellular Module	GSM-GPRS-3G		GPS Listener Port
	850/1900MHz@UMTS		GSM Modem Listener Port
	850/900/1800/1900MHz@GSM	Odometers	2 Total and Partial (resolution in meters)
GSM Antenna	Internal (Penta-Band)	Dynamic Assignment of Variables	Configuration of multiple assigned variables to different parameters of the device in the same command
Status Indicators	3 (power supply, GPS and GSM/GPRS)		
Serial Ports	1 (TTL) (2400 to 115200 bps)	Driver or User Management	Information of:
	Compatible with ITS USB adaptor		- Date and time of session start
Digital Inputs	5 (protected up to 100 VCC)		- Length of session
	1 TTL (not protected)		- Time with idle engine
Analog Inputs	2 (0-40 VCC)(protected up to 100 VCC)		- Running time
Inputs for RPM Measurement	1 (protected up to 100 VCC)		- Travelled distance (resolution in meters)
Outputs	2 - OC NPN (400 mA Max.)(non-volatile state)		- Three general use counters
	1 - 0 to 3.8 VCC		- Status or mode change
3-Axis Motion Sensor	1 (Adjustable sensibility level)		Possibility of loading a list of up to 64 enabled codes
Configurable Events	196	GPRS Connection Capability	2 configurable IP destinations
User-Configurable Reports	16	SMS Connection Capability	2 configurable destinations
User-Configurable Triggers/ Comparators	32	Storage Capacity	LOG Destination= 18432 reports
			Automatic download in TR0, IP0 or IP1
Analog Windows	8		IP0 destination= 250 reports
Abrupt Braking Triggers	4		IP1 destination= 40 reports
Change of Course Triggers	8		SM0 destination= 20 reports
Time/Distance Triggers	10		SM1 destination= 20 reports
Time Control Triggers (date/time)	8		Memory of the last 320 secs. running
Speed Limit Triggers	8		Buffer for 8 incoming text messages
RPM Limit Triggers	2		Buffer for 8 outgoing text messages
Incoming Calls Triggers (Call ID)	8	Access Protection	Password up to 8 characters
Time Counters (seconds)	16	Protection of Data Sent via GPRS	Evolutionary digital encryption (64 bits)
General Use Counters-16 bits	32 (0 to 65535) (16 non-volatile)		encrypted with 64 bits KEY
High-Range General Use Counters	32 (0 to 999999999) (16 non-volatile)		(independent for IP0 and IP1)
Pulse Counters	2 (0 to 4294967295.999)	Configuration and Command Protocol	GAP (G ASCII Protocol)
	(non-volatile, with 1/1000 resolution and configurable adjustment factor)		
		DNS Name Resolution	Yes
General Use Status Flags	32 (16 non-volatile)	"Jamming Detection" Reports	Yes
System Status Flags	More than 96	GSM Cells Status Reports	Yes
Geographic Reference Points (WayPoints)	100	Firmware Update	By serial port.
			GPRS via OTA (over the air)
Geographic Zones	32 (resolution of up to 32 points per zone)		(redundant verification system)
GSM Band Country Code Triggers (MCC)	4	Compatibility with	• Temperature Measurement Module
			• i-Button Module