

GuardMagic VB6, VB7, VB8 and GuardMagic VF1, VF2- series of vehicle GPS-GSM/GPRS modules for the "Real Time" vehicle monitoring and vehicle fuel monitoring system.

Modules have the different functionality and different application: from the simple vehicle monitoring and up to road fuel tanker monitoring functionality.

All the modules support GuardMagic universal communication protocol.

The remote control (monitoring) of vehicle (transport or special machinery) is carried out by means of the specialized MONITORING STATION (Monitoring software).

1. GPS-GSM/GPRS VEHICLE MODULES COMPARISON TABLE

(note: "lite" version mean: the set without driver identification components in set)

	Type of function	GuardMagic				
		VF1	VF2	VB6, VB6lite	VB7, VB7lite	VB8
1	Power source					
1.1	Vehicle battery 12 /24 V (9 ... 30 V)	+	+	+	+	+
1.2	External reserve battery (12 V , 1,2 A/h)	-	-	+	+	+
2.	Inputs-Outputs in general					
2.1	Logical inputs (in summary)	2	2	7	7	7
2.2	Analog Fuel inputs	-	1	-	-	-
2.3	EIA-485 interface ("digital fuel bus")	-	+	+	+	+
2.4	Quantity of EIA-485 interface ("digital fuel bus").	-	1	1	2	2
2.5	1-Wire interface	-	-	1	2	2
2.6	RS-232 interface (for advanced functionality)*	-	-	-	+	+
2.7	Pulse input (engine RPM)	-	-	1	1	1
2.8	Logical output	1	1	2	2	2
3.	Main function and connection					
3.1	Supported monitoring station (main, reserve)	main	main	main and reserve	main and reserve	main and reserve
3.2	Adaptive data fixing	+	+	+	+	+
3.3	GPS information sending (speed, date, time, coordinates)	+	+	+	+	+
3.4	Acceleration and deceleration information sending	+	+	-	-	-
3.5	Sending information from external sensors	-	+	+	+	+
3.6	Internal memory for 120Thousand records . Storing collecting information if GPRS connection is absence.	+	+	+	+	+
3.7	Operation mode:	packet	packet	Packet, Real Time	Packet, Real Time	Packet, Real Time
3.8	Operation mode: - transport mode; - special machinery mode.	+	+	+	+	+

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		VF1	VF2	VB6, VB6lite	VB7, VB7lite	VB8
3.9	Sleep mode	+	+	+	+	+
3.10	Active stand by mode	+	+	+	+	+
3.11	Driver identification	-	-	+	+	+
3.12	Immobilization function	-	-	+	+	+
3.13	Remote blocking engine starting (engine blocking)	-	+	+	+	+
3.14	Total fuel tanks monitoring	-	1 and 3	3	7	14
3.15	Regular fuel tanks fuel monitoring function (tanks qty.) Connection to analog fuel level sensors	-	1	-	-	-
3.16	Regular fuel tanks fuel monitoring function (tanks qty.) Connection to digital fuel sensor (GuardMagic DLLS1 or with the same communication protocol).	-	3	3	3	3
3.17	Cargo tanks or service tanks monitoring function (service or cargo tanks; cargo tanks or compartments in Tanker Truck); up to tanks (qty.) Connection to digital fuel sensor (GuardMagic DLLS, DLLE or sensor with the same communication protocol).	-	-	-	4	11
3.18	Additional fuel interface for cargo tanks	-	-	-	+	+
3.19	Fuel level resolution (levels)	-	512 or 1024 or 4096	1024 or 4096	1024 or 4096	1024 or 4096
3.20	Sending temperature information from fuel level sensors	-	-	+	+	+
3.21	Connection to digital temperature sensor (GuardMagic DTS or other with 1-wire communication protocol). Temperature monitoring function.	-	-	-	+	+
3.22	Connection to regular engine overheat sensor. Sending overheat information.	-	-	+	+	+
3.24	Ignition "On-Off" monitor	+	+	+	+	+
3.23	Car alarm connection and car alarm activation monitor	-	-	+	+	+
3.24	Regular fuel tank empty control and sending information	-	-	+	+	+
3.25	Crash sensor connection. Automatic sending information about road accident.	-	-	+	+	+
3.26	Connection to PANIC button. Sending information pressing button.	+	+	+	+	+
3.27	Connection to EVENT button. Sending information pressing button.	-	-	+	+	+
3.28	Connection to engine RPM sensor. Sending information about engine RPM	-	-	+	+	+
3.29	Remote module reprogramming by GPRS	-	-	+	+	+

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4.	Additional function					
4.1	GPS receiver status monitoring	+	+	+	+	+
4.2	"Digital Fuel Bus" status monitoring	-	+	+	+	+
4.3	Main power status monitoring	-	-	+	+	+
4.4	Automatic theft signal transmitting.	-	-	+	+	+
4.5	Automatic transmitting information about not authorization engine starting	-	-	+	+	+
4.6	Possibility to connect additional data concentrator to EIA-485 interface *	-	-	-	+	+
4.7	Possibility to connect the additional "Fuel Inlet Cap Sensor controller"*	-	-	-	+	+
4.8	Possibility to connect the additional "Trailer Identification module"*	-	-	-	+	+
4.9	Possibility to connect additional terminals (navigator, SCADA etc.) by RS-232 interface*	-	-	-	+	+
4.10	External buzzer connection	-	-	+	+	+

* - available in system growing

** - GuardMagic VB8 module intended for road fuel tanker monitoring system

2. GuardMagic VB modules

<p>GuardMagic VB6, VB7, VB8</p>	<p>Dimension without antenna connector: 148x 94x 24 mm</p> <p>Weight: 320 gr.</p>	
<p>GuardMagic VF1, VF2</p>	<p>Dimension without antenna connector: 85x 95x 24 mm</p> <p>Weight: 200 gr</p>	