

VehicleTracker

UNIVERSAL GPS VEHICLE MONITORING UNIT
FOR CARS, TRUCKS, CONSTRUCTION AND AGRICULTURAL MACHINERY

USAGE AND CHARACTERISTICS

- » For tracking and monitoring of all types of vehicles
- » Tracking and monitoring at preselected time interval
- » Monitoring of temperature, quality of driving, tilting
- » G-shock warning
- » Analogue input values and binary input state - on/off
- » Optionally back-up battery
- » Optionally RS232 / CAN bus
- » NB IoT and Cat M1 connectivity (optionally)
- » Bluetooth 5.0 long range fo external sensor (optionally)

MEASURES AND TRANSMITS

- » GPS position
- » Speed and direction of movement
- » G-shock detection
- » Driver ID reading
- » Driver behaviour evaluation
- » Temperature, Altitude
- » Tilting - removal detection
- » Vehicle CAN values
- » RS232 - fuel level meter / CAN converters
- » Battery voltage and status



TYPES AVAILABLE*

TYPE	INTERFACES	GSM	RF INTERFACE	BATTERY
VT 110 210	RS232	2G	-	-
VT 110 211	RS232	2G	-	3 400 mAh
VT 110 010	RS232	4G IoT / 2G	-	-
VT 112 210	RS232	2G	BT 5.0	-
VT 120 210	CAN	2G	-	-
VT 120 010	CAN	4G IoT / 2G	-	-

*for customized solutions please feel free to contact us

BLUETOOTH 5.0 - ACCESSORIES

BS 010 390	BT 5.0 temperature sensor	BS 030 380	BT 5.0 access card
BS 020 130	BT 5.0 robust temperature sensor	BS 040 540	BT 5.0 door sensor

OTHER ACCESSORIES

ED 002 002	External GPS antenna with 2m cable	ED 060 615	Switch type of journey
ED 030 100	Over-voltage protection	ED 073 525	Driver identification contactless card RFID
ED 060 500	Driver identification contact reader	ED 073 526	Driver identification contactless button RFID
ED 060 550	Driver identification contact ID button	ED 073 531	Driver identification contactless reader RFID
ED 060 614	Power switch relay for engine cut	ED 075 804	CAN bus converter

TECHNICAL PARAMETERS

GSM	version 2G	850/900/1800/1900 MHz
	version 4G NB-IoT	B1@2100MHz, B3@1800MHz, B8@900MHz, B5@850MHz, B20@800MHz, B28@700 MHz
	version 4G LTE Cat M1 /NB-IoT/ EGPRS	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B39 - for Cat M1 only @ LTE 850/900/1800/1900 @EGPRS
	SIM	Nano Sim, Plug -in 1.8 V
	Types of communication	Calling, SMS, GPRS
	SMS	Alarm & Info SMS, SMS commands, requests, SMS configuration
	GPRS internet connectivity	Class 12/ static & dynamic IP VPN, UDP protocol / 128bit security encryption key / FW upgrade, configuration settings, on-line value reading, report memory reading, control
GNSS	GPS/Glonass*/Galileo*/BeiDou*	66 satellites
ANTENNAS	GPS, GSM	Internal, GPS connector for external antenna
BACK-UP BATTERY*	Type and capacity	Li-Ion 3400 mAh*
POWER SUPPLY	Voltage range	8 - 30 V
	Consumption	Standby mode < 10mA @12V, max current peak 300mA @ 12V
	USB-C	Charging* / report memory reading / configuration / FW upgrade
INPUTS	Binary / Analog IN 2x	Range 0-30V
	Binary IN 1x	Binary IN 1x, by GND activated
OUTPUTS	Binary OUT 2x	200 mA / max 30V
INTERFACES	1-Wire (Dallas bus)	Driver ID reader contact or contactless reader, temperature sensors
	RS 232**	TTL, for CAN convertors, can be used as Wiegand bus
	CAN bus**	J1939, FMS, VW Group protocol
INTERNAL SENSORS	3 dimensions G sensor	Movement detection / tilt detection / G-shock detection
	Other sensors	Temperature
RF INTERFACE*	Bluetooth 5.0 long range	Range up to 100m in free space / 30m in buildings
INTERNAL MEMORY	Flash 512 kB	Capacity 5 000 events or GPS positions
DIMENSIONS	Plastic box	50 x 90 x 20 mm, Pitch between holes - 61 mm, Hole Dia. - 4 mm
TEMPERATURE RANGE	With internal battery*	-25 °C up to +55 °C
	Without battery	-25 °C up to +65 °C
PROTECTION CLASS	IP30	For indoor use only
WEIGHT	Without battery	120 g
STANDARDS	EMC	EN 50121-3-2 ed.4 EN 61000-6-4:2007+A1:2011 EN 55032:2015 EN 55024:2010
	LVD	EN 62368-1:2014+A11:2017

* Optional ** Depending on product type



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