

PROFESSIONAL FLEET MANAGEMENT EQUIPMENTS & SOFTWARE



ABOUT

Corporate group TechnoKom specializes in radio systems engineering and integration and has more than 20 years of experience in this field. The team of highly skilled developers, including engineers and programmers, was created in 1993 in Chelyabinsk and was originally based at the Radio Technical Systems Department of the South Ural State University.

Eventually a small production company developed into a concern of companies united by a common purpose which formed the corporate group TechnoKom.

Over the years company's specialists accumulated extensive practical knowledge in design and production of various electronic devices and systems. TechnoKom-Technology, a member of the corporate group TechnoKom, has one

of the most technologically advanced production facilities for serial assembly of electronic boards in Russia. In 2009 the company successfully launched its own fully automated full-cycle SMD production line.

Today the entire process from designing to final product is carried out in Chelyabinsk on the basis of the cutting edge European and Japanese equipment. The high quality of electronic assembly is confirmed by both domestic and foreign experts.



DEVELOPMENT

Product development starts with the needs analysis of our customers and dealers. The research team continually monitors the market, researches for new technologies and components, sets the standards for new products and ensures compliance with the current legislation. Constant technical support of the world leading manufacturers and suppliers of components ensures state of the art engineering solutions. All this gives us an edge and helps to make sure that we are one step ahead of our competitors.

The next stage of development is conducted by the design-engineering department. This team deals with the immediate development of products and the circuit design. A team of professional design engineers implements the requirements of the research phase, extends products' functionality, introduces new technologies and components into the system and cuts off dead-end solutions. Development is conducted on the basis of the latest hardware and software. The team uses a wide range of measuring and testing equipment from the leading manufacturers.

Extensive use of 3D printing technology and 3D-prototyping during the development of cases and PCBs allows us to check the design elements quickly and make changes to the product well before the start of batch production. To assess the behavior of devices



and components in real and extreme conditions we use a climatic chamber, which allows us to conduct temperature-cycle testing of samples and simulate the required climatic zones, change of seasons and the critical heating and cooling.

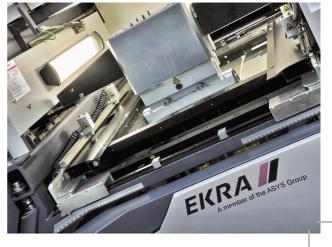
During the development of almost any electronic device we simultaneously work in three directions: on the design of its hardware, its firmware and software.













MANUFACTURE

Once the unit has been designed and tested, it goes into production. Professional engineers supervise and optimize the manufacturing process for all stages of the production.

The production starts with the application of solder paste to PCB using screen and stencil printer integrated in the production line.

The next step is provided with **MYDATA** automatic and precision high-speed chip mounters. Optimal task assignment between mounters provides dramatic performance increase of production line. Due to careful timing, PCBs are delivered from one mounter into the next mounter without interruption of operating process for a moment.

TechnoKom is one of the first manufacturers in Russia using Vapour Phase Soldering Technology in production. Nowadays it is the most innovative and advanced technology, which is used for soldering. In our production we use the **ASSCON VP1000** vapour phase

soldering system. Due to this fact the optimum temperature is ensured at all component positions, excluding over- and underheatings, which is typical for conventional soldering systems. Application of vapour phase soldering system provides fault-free soldering of complex components and PCBs.

Automated conveyor connecting all units of the production line together is responsible for automatic waiting queue and delivery of printed boards from one unit to others. The assembling quality control is the essential part of our production.

Application of automated optical inspection machine by **NORDSON** reliably minimizes the risk of manufacturing defect. When any fault or unreliable joint is captured it is shown on the display of the computer, as well as the fault is reported to an operator. In complex conditions, we use **XT V 160** electronics X-ray inspection machine, which allows to look inside the PCB and its components.

The last step – multiphase PCB test using hi-tech equipment is guaranty of the high quality of our products.

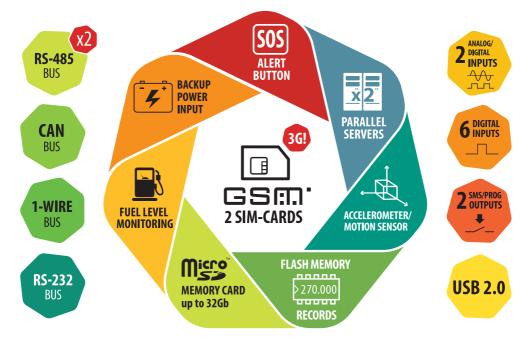
Today the corporate group TechnoKom is a recognized leader in the design and manufacture of GPS /GLONASS satellite tracking systems and monitoring of vehicles and personnel in the Russian Federation.

Our product has a wide range of applications and can be installed on cars and trains, planes and ships, agricultural and construction equipment. More than four hundred and fifty thousand navigation system controllers AutoGRAPH are operating at this very second on various Russian and foreign enterprises.

Our range of on-board controllers covers almost all areas of application and allows you to optimally and efficiently solve a wide variety of tasks for transport control and management.



THE MOST COMMON TRACKING DEVICE IN RUSSIA AND ABROAD















GNSS receiver

- uBlox MAX-M8Q
- · GLONASS + GPS / GALILEO / Beidou
- · 72 channels
- · A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- External antenna (SMA)

GSM module

- 3G UMTS² / GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz
- 2 x SIM
- External antenna (SMA)

INTERFACES

Serial buses

- 2 x RS-485 (TIA / EIA-485-A)
- 1 x CAN (SAE J1939 / FMS)
- 1 x RS-232
- 1 x 1-Wire
- 1 x USB 2.0

Inputs / Outputs

- 6 x Digital inputs: 4 x active high, 2 x active low
- · 2 x Configurable (analog/digital) inputs
- · 2 x Digital outputs

BASIC CHARACTERISTICS

Memory

- FLASH (up to 270.000 records)
- · MicroSD (up to 32 GB)

Sensors

Internal 3-axis accelerometer / motion sensor

External backup power input

12 VDC

Electrical

- Operating voltage: 10...50 V (max 60 V)
- Power consumption (at 12 VDC, 22 °C)

recording state: 70 mA

data transferring state: 300 mA

Environmental

- Operating temperature: -40...+85 °C
- · Optional protective case: IP54

Dimensions

Standard case: 138 x 67 x 27 mm, 110 g
 Protective case: 138 x 92 x 27 mm, 150 g

Average life time

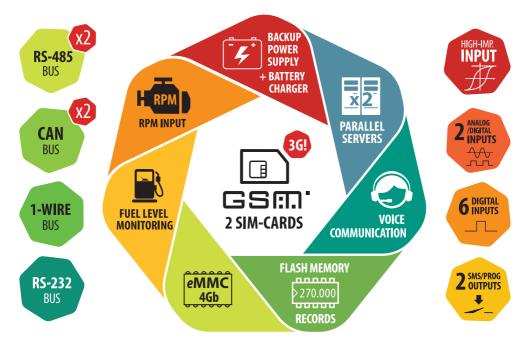
10 years

¹ With nominal GNSS signal levels -130 dBm.

² Optional.



ULTIMATE SOLUTION FOR TRACKING VEHICLES OF ALL TYPES















ECHNICAL SPECIFICATION

NAVIGATION & COMMUNICATION

GNSS receiver

- uBlox MAX-M8Q
- · GLONASS + GPS / GALILEO / Beidou
- · 72 channels
- · A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- · External antenna (SMA)

GSM module

- 3G UMTS² / GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz
- 2 x SIM
- · External antenna (SMA)

INTERFACES

Serial buses

- 2 x CAN (SAE J1939 / FMS)
- 2 x RS-485 (TIA / EIA-485-A)
- 1 x RS-232
- 1 x 1-Wire
- 1 x USB 2.0

Inputs / Outputs

- 6 x Digital inputs: 4 x active high, 2 x active low
- 2 x Configurable (analog/digital) inputs
- 1 x High-impedance input
- 2 x Digital outputs
- 1 x RPM input

Voice communication

· Microphone input, internal loudspeaker amplifier

(GSM)

· External Answer / Call button

BASIC CHARACTERISTICS

Memory

- · FLASH (up to 270.000 records)
- eMMC 4GB

Sensors

· Internal 3-axis accelerometer / motion sensor

External backup battery (not supplied)

- Lead-acid, 12 V
- · Internal battery charger
- · Charging time: 30 h

Electrical

- · Operating voltage: 10...50 V (max 60 V)
- Power consumption (at 12 VDC, 22 °C)
 - recording state: 80 mA
 - data transferring state: 320 mA

Environmental

- Operating temperature: -40...+85 °C
- Optional protective case: IP54

Dimensions

- Standard case: 138 x 67 x 27 mm, 110 q
- Protective case:138 x 92 x 27 mm, 150 g

Average life time

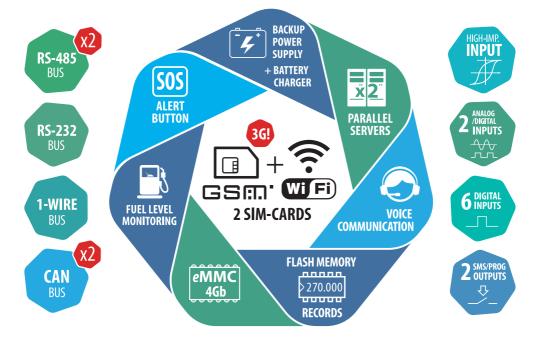
10 years

¹ With nominal GNSS signal levels -130 dBm.

² Optional.



EXTREMELY POWERFUL SOLUTION FOR FLEET MANAGEMENT















GNSS receiver

- uBlox MAX-M8Q
- GLONASS + GPS / GALILEO / Beidou
- 72 channels
- A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- External antenna (SMA)

GSM module

3G UMTS² / GSM (GPRS) 850 / 900 / 1800 / 1900 MHz

2 x SIM

External antenna (SMA)

Wi-Fi module

802.11 b/g/n

WPA2 Personal and Enterprise

- Output Power: 17.0 dBm
- Sensitivity: -94.7 dBm
- External antenna (SMA)

INTERFACES

Serial buses

- 2 x CAN (SAE J1939 / FMS)
- 2 x RS-485 (TIA / EIA-485-Á)
 - 1 x RS-232
- 1 x 1-Wire
- 1 x USB 2.0

Inputs / Outputs

- 6 x Digital inputs: 4 x active high, 2 x active low
- 2 x Configurable (analog/digital) inputs
- 1 x High-impedance input
 - 2 x Digital outputs
- 1 x RPM input

Voice communication (GSM)

Microphone input, internal loudspeaker amplifier

· External Answer / Call button

BASIC CHARACTERISTICS

Memory

- FLASH (up to 270.000 records)
- eMMC 4GB

Sensors

· Internal 3-axis accelerometer / motion sensor

External backup battery (not supplied)

Lead-acid, 12 V

Internal battery charger

Charging time: 30 h

Electrical

Operating voltage: 10...50 V (max 60 V)

• Power consumption (at 12 VDC, 22 °C)

recording state: 80 mA

data transferring state: 320 mA

Environmental

• Operating temperature: -40...+85 °C

Optional protective case: IP54

Dimensions

Standard case: 138 x 67 x 27 mm, 110 g

Standard case: 138 x 67 x 27 mm, 110 g
 Protective case: 138 x 92 x 27 mm, 150 g

Average life time

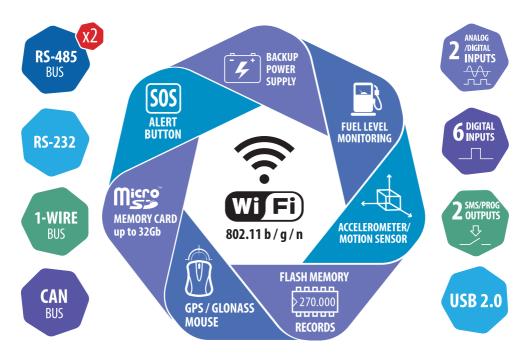
• 10 years

¹ With nominal GNSS signal levels -130 dBm.

² Optional.



VEHICLE TRACKING OUT OF GSM AREA















GNSS receiver

- uBlox MAX-M8Q
- · GLONASS + GPS / GALILEO / Beidou
- · 72 channels
- · A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- External antenna (SMA)

Wi-Fi module

- 802.11 b/g/n
- WPA2 Personal and Enterprise
- Output Power: 17.0 dBm
- Sensitivity: -94.7 dBm
- External antenna (SMA)

INTERFACES

Serial buses

- 2 x RS-485 (TIA / EIA-485-A)
- 1 x CAN (SAE J1939 / FMS)
- 1 x RS-232
- 1 x 1-Wire
- 1 x USB 2.0

Inputs / Outputs

- · 6 x Digital inputs: 4 x active high, 2 x active low
- · 2 x Configurable (analog/digital) inputs
- · 2 x Digital outputs

BASIC CHARACTERISTICS

Memory

- FLASH (up to 270.000 records)
- · MicroSD (up to 32 GB)

Sensors

Internal 3-axis accelerometer / motion sensor

External backup power input

• 12 VDC

Electrical

- Operating voltage: 10...50 V (max 60 V)
- Power consumption (at 12 VDC, 22 °C)

recording state: 70 mA

data transferring state: 300 mA

Environmental

- Operating temperature: -40...+85 °C
- · Optional protective case: IP54

Dimensions

- Standard case: 138 x 67 x 27 mm, 110 g
- Protective case: 138 x 92 x 27 mm, 150 q

Average life time

10 years

¹ With nominal GNSS signal levels -130 dBm.



ULTRA SMALL SIZE WITH GREAT SET OF ADVANCED FEATURES















GNSS receiver

- uBlox MAX-M8Q
- · GLONASS + GPS / GALILEO / Beidou
- · 72 channels
- · A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- · External antenna (SMA)

GSM module

- GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz
- 2 x SIM
- External antenna (SMA)

INTERFACES

Serial buses

- 1 x RS-485 (TIA / EIA-485-A)
- 1 x CAN (SAE J1939 / FMS)
- 1 x USB 2.0

Inputs / Outputs

- · 2 x Digital inputs: 1 x active high, 1 x active low
- 1 x High-impedance input
- 1 x Digital output

BASIC CHARACTERISTICS

Memory

FLASH (up to 270.000 records)

Sensors

Internal 3-axis accelerometer / motion sensor

Electrical

- Operating voltage: 10...50 V (max 60 V)
- Power consumption (at 12 VDC, 22 °C)

recording state: 50 mA

data transferring state: 200 mA

Environmental

· Operating temperature: -40...+85 °C

Dimensions

• 65 x 50 x 20 mm, 50 g

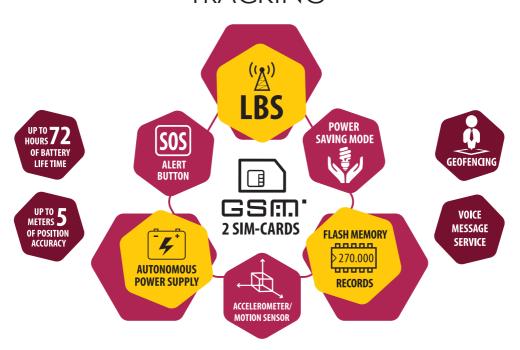
Average life time

• 10 years

¹ With nominal GNSS signal levels -130 dBm.



RELIABLE SOLUTION FOR PERSONAL TRACKING















Location •

· GNSS, LBS

GNSS receiver

- uBlox MAX-M8Q
- · GLONASS + GPS / GALILEO / Beidou
- · 72 channels
- · A-GNSS, D-GPS
- Cold start: 26 s¹
- Accuracy: 2.0 m¹ (CEP)
- External antenna (SMA)

GSM module

- GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz
- 2 x SIM
- · Internal antenna

BASIC CHARACTERISTICS

Memory

FLASH (up to 270.000 records)

Connection to PC

• USB 2.0

Sensors

Internal 3-axis accelerometer / motion sensor

Battery

- Li-lon, 3.7 V, 1800 mAh
- Charging via USB or power adapter
- · Charging time: approx. 160 min
- · Operating / Charging voltage: 5 V

Features

- Alert button (Voice message service / SMS)
- Sleep mode

Environmental

- Operating temperature: -20...+85 °C
- · Charging temperature: 0...+45 °C

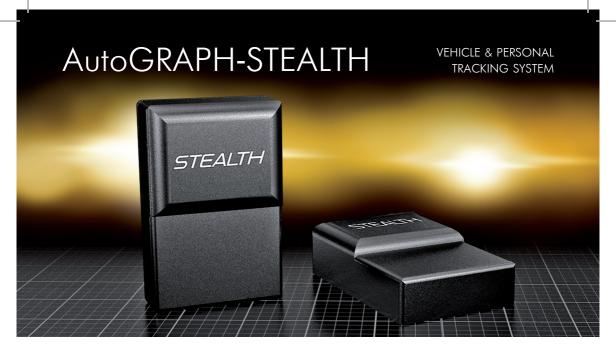
Dimensions

92 x 58 x 22 mm, 90 g

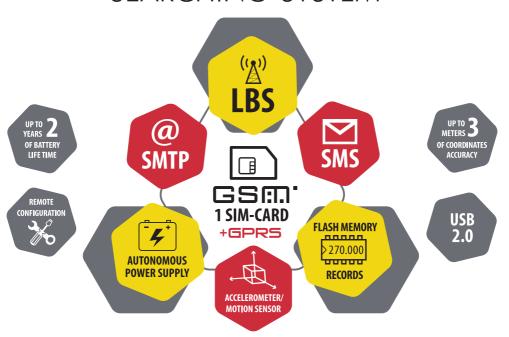
Average life time

· 10 years

¹ With nominal GNSS signal levels -130 dBm.



AUTONOMOUS NAVIGATION AND SEARCHING SYSTEM















Location · GNSS, LBS

Communication SMS / SMTP / GPRS

GNSS receiver uBlox IT530M, Mediatek MT3333 chipset

· GLONASS + GPS / GALILEO / Beidou

• 99 / 33 channels (search / track)

A-GNSS, D-GPS, LOCUS, AIC, AlwaysLocate™

Cold start: 23 s¹

Accuracy¹: 3.0 m (Position), 0.02 (Velocity)

Internal antenna

GSM module • GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz

1 x SIM

· Internal antenna

BASIC CHARACTERISTICS

Memory Internal: FLASH (up to 270.000 records)

Connection to PC USB 2.0

> Sensors² · Internal 3-axis accelerometer / motion sensor

Battery Li/SOCI2, 7.2 V, 1700 mAh

Battery life time: up to 2 years³

Environmental Operating temperature: -40...+85 °C

Dimensions 75 x 48 x 21 mm, 80 g

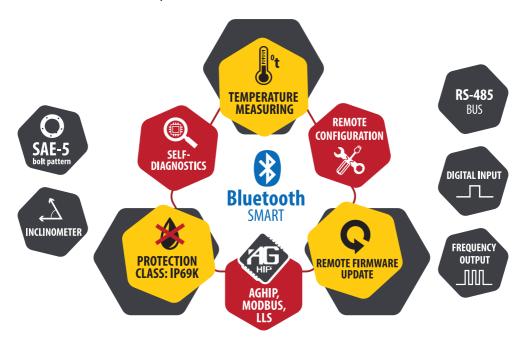
Average life time 10 years

 $^{^{1}}$ With nominal GNSS signal levels -130 dBm. 2 Optional.

Under normal use, battery life time amounts up to 2 years. Battery capacity is enough to send 1200 messages with coordinates (Email, SMS and data to server).



SMART FUEL LEVEL SENSOR. PROVEN EFFICIENCY, RELIABILITY AND QUALITY















BASIC CHARACTERISTICS

Interfaces • 1 x RS-485 (TIA / EIA-485-A)

1 x Frequency output

1 x Digital input

Communication protocols (RS-485) • AGHIP (AutoGRAPH Hardware Interface Protocol),

· LLS, Modbus

Bluetooth (BLE) • Yes

Sensors • Internal 3-axis accelerometer / inclinometer

Features & services • Self-diagnostics, Error reports, Logging

Remote configuration: BLE, RS-485

· Remote firmware update

FREQUENCY OUTPUT

Output type · Open collector

Output frequency range • 100...3000 Hz

Maximum load current • 200 mA

MEASURING CHARACTERISTICS

Operational liquids • Gasoline, fuel oil

Fuel level measuring • Accuracy: $\leq 1 \%$

Resolution: 12 bit

Temperature measuring • Measuring range: -40...+85 °C

Accuracy: ± 1 °C

OPERATIONAL CONDITIONS

• Operating voltage: 7...60 V

Power consumption (at 12 VDC, 22 °C): 30 mA

Environmental • Operating temperature: -40...+85 °C

Protection class: IP69K

OTHERS

Dimensions • Probe length: 750 / 1000 / 1500 / 2000 mm

Mounting type • SAE 5-bolt pattern

Average life time • 10 years



DRIVER ASSISTANT AND NAVIGATION SYSTEM















GNSS receiver • uBlox MAX-M8Q

GLONASS + GPS / GALILEO / Beidou

72 channels, A-GNSS, D-GPS
 Cold start: 26 s¹

Accuracy: 2.0 m¹ (CEP)
 Internal antenna (SMA)

GSM module • 3G UMTS² / GSM (GPRS / SMS) 850 / 900 / 1800 / 1900 MHz

2 x SIM

· Internal antenna

Wireless • Wi-Fi² (802.11 b / g / n)

Bluetooth (BLE)

PERFORMANCE

Processor • ARM Cortex-A8 Core

AM3354, 1GHz

Memory • RAM: 512 MB

• External: MicroSD(up to 32 GB)

Display • 7 inch, 800 x 480

TFT, touchscreen

Microsoft Windows Embedded Compact 7.0

INTERFACES AND FEATURES

Interfaces • 1 x RS-232

• 1 x USB 2.0

Sensors • Internal 3-axis accelerometer / motion sensor

Voice communication

· Internal microphone

(GSM) • Internal loudspeaker amplifier

Smart features

Connection to AutoGRAPH device

Routing service

Task management

Different modes: Navigation, Auto-information

Supporting maps: internet, vector, raster

POWER SUPPLY

Electrical • Ope

Operating voltage: 10...50 V

Power consumption (at 12 VDC, 22 °C) 700 mA

Internal backup

Li-Polymer, 4.2 V
 1500-4500 mAh

battery

~1 hours of autonomous operation

OTHER CHARACTERISTICS

Environmental • Operating temperature3: -40...+85 °C

Dimensions • 205 x 115 x 14 mm, 500 g

Average life time • 7 years

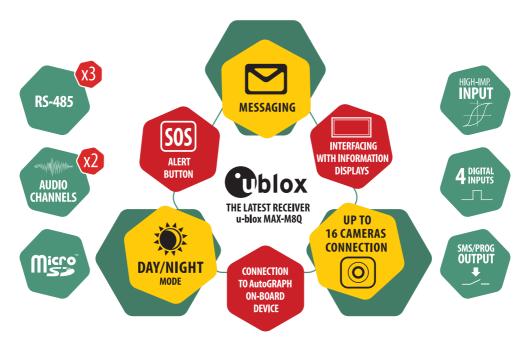
¹ With nominal GNSS signal levels -130 dBm.

² Optional.

³ Does not apply to the battery.



INFORMATIONAL DISPLAY FOR INSTALLATION ON PUBLIC TRANSPORT















ECHNICAL SPECIFICATION

NAVIGATION & COMMUNICATION

GNSS receiver¹

- uBlox MAX-M8Q
- GLONASS + GPS / GALILEO / Beidou
- 72 channels, A-GNSS, D-GPS
- Cold start: 26 s²
- Accuracy: 2.0 m² (CEP)
- Internal antenna (SMA)

PERFORMANCE

Processor

ARM Cortex

M4 LPC 4088FET208

Memory

FLASH (up to 270.000 records)

MicroSD (up to 32 GB)

Display

5 inch, 800 x 480

· TFT, touchscreen

INTERFACES

Serial buses

3 x RS-485

• 1 x USB 2.0

Inputs / Outputs

· 4 x Digital inputs

1 x High-impedance input

1 x Digital output

Audio

· 2 x audio outputs

• 6 W/output

OTHER CHARACTERISTICS

Electrical

Operating voltage: DC 10...50 V (max 40 V)

Power consumption (at 12 VDC, 22 °C)

normal mode: 250 mA playback mode: 1880 mA

Environmental

· Operating temperature: -40...+85 °C

Dimensions

• 160 x 96 x 37 mm, 270 g

Average life time

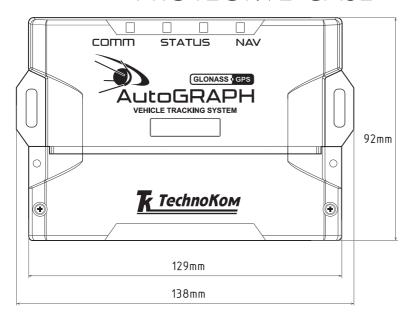
10 years

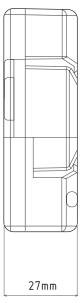
¹ Optional.

² With nominal GNSS signal levels -130 dBm.



PROTECTIVE CASE





WWW.TK-NAV.COM | INFO@TK-NAV.COM

AutoGRAPH PERIPHERALS



TK-OBD2LOG ADAPTER

BASIC CHARACTERISTICS

Supported OBD-II standards

- ISO 15765-4 (CAN)
- ISO 14230-4 (Keyword Protocol 2000)
- · ISO 9141-2
- SAE J1850 VPW
- SAE J1850 PWM

Connection to external device

• CAN (SAE J1939)

Electrical

- · Operating Voltage: 10...50 V
- Power Consumption (at 12 VDC, 22 °C): 80 mA

Operating temperature

• -40...+85 °C

Dimensions

• 50 x 50 x 20 mm



RPM SENSOR

BASIC CHARACTERISTICS

Outputs • Type: open-collector

• 1 x digital output: engine indicating

• 1 x digital output: output frequency divider (by 10)

• Operating voltage: 7.5...40 V

Operating temperature • -40...+85 °C

Dimensions • 31 x 26 x 12 mm

· Cable length: 1.2 m

Average life time • 10 years



1-WIRE TEMPERATURE SENSOR

BASIC CHARACTERISTICS

Temperature measuring • Measuring range: -55...+125 °C

• Measuring accuracy: 0.5 °C

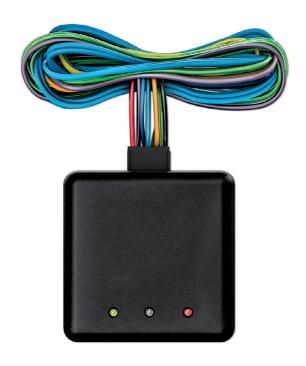
Operating voltage • 10...30 V

Operating temperature • -40...+85 °C

Distance to sensitive element • 5...15 m

Dimensions • 30 x 25 x 13 mm

Average life time • 10 years



CAN-LOG 2 CONTROLLER

BASIC CHARACTERISTICS

Supported machinery

- · Building machinery
- · Agricultural machinery
- · Harvesting machinery
- · Lorry, light vehicle
- · Motor-buses

Interfaces

• 1 x RS-232

2 x CAN

Electrical

· Operating Voltage: 10...50 V

Power Consumption (at 12 VDC, 22 °C): 40 mA

Operating temperature

• -40...+85 °C

Dimensions

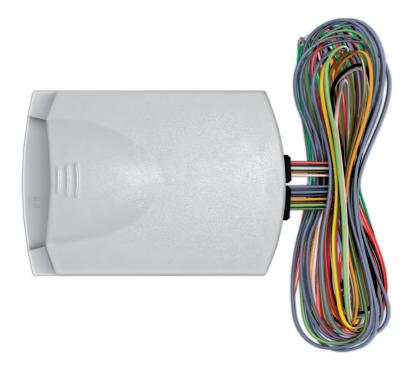
• 50 x 50 x 20 mm

Average life time

• 10 years

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AutoGRAPH PERIPHERALS



CardReader-SMART

BASIC CHARACTERISTICS

Supported cards • RFID (EM-Marin), Smart Card

Interfaces • 1 x RS-485 (TIA / EIA-485-A)

• 1 x 1-Wire

• 1 x USB 2.0

Inputs / Outputs • 4 x programmable digital outputs

· 2 x preset digital outputs

· 2 x digital inputs

Operating voltage • 10...50 V

Operating temperature • -40...+85 °C

Dimensions • 118 x 83 x 29 mm, 110 g

Average life time • 10 years



CardReader-RFID

BASIC CHARACTERISTICS

Supported cards • RFID (EM-Marin)

Interfaces • 1 x RS-485 (TIA / EIA-485-A)

• 1 x USB 2.0

Inputs / Outputs • 1 x programmable digital output

· 1 x digital input

Operating voltage • 10...50 V

Operating temperature • -40...+85 °C

Dimensions • 94 x 65 x 18 mm, 150 g

Average life time • 10 years

AutoGRAPH SOFTWARE















AUTOGRAPH AUTOGRAPH NET WEB Mobile



- High-scaled multi-platform and multi-lingual professional AVL and fleet management software
- Flexible accommodation to consumer's purposes, absolutely configurable and extendable module system
- Wide opportunities for analytics, powerful report system, report constructor
- Integration with report systems and management systems of the company, open API for extentions plugins
- Total control of motion parameters, operation, condition of sensors and data buses of monitoring objects

AUTOGRAPH SOFTWARE

FEATURES AND BENEFITS



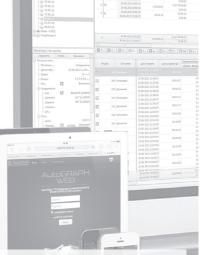
- Real-Time Fleet Tracking
- Trips History Playback
- Group Tracking
- Object's Cursor & Track Coloring
- MultiLevel Assets Hierarchy
- Flexible Trips Splitting
- MultiTrack Feature
- Static and Moving Control Points Support
- GeoFences and Landmarks
- Vehicle Status Tracking
- Trip Parameters Control



- · Real-time Alerts
- Overspeed Control
- Multi Channel
 Temperature Control
- Panic Button Support
- · Event Management
- Tyre Pressure Control



- Route Optimization
- Job Schedule Board
- Maintenance Reminders
- Dispatching
- Fleet, Driver& Team Management



Hosted Software

No problem with supporting your own server

0

- Comes with all needed features in very short time
- Free Desktop, Web, iOS and Android Applications

GPS tracking business without big investments

Manage and charge your users for service

Server Software

- · Build your own GPS tracking server
- · No monthly fees for software
- Unlimited number of users and devices
- · Free Desktop, Web, iOS and Android Applications

AUTOGRAPH SOFTWARE



- Enterprise KPI Dashboard
- Powerful and Flexible Reports System
- Automated and Sheduled Reports
- · TimeLine View
- Powerful Charts and Diagrams Constructor



- Multi-Map Tile View
- Vector, Raster and Internet Maps Support
- · Powerful MultiGIS Engine
- · Live Fleet Map Website Integration



- Role-based Users Hierarchy
 - Multi Languages & Time Zones Support
 - · Open and Extensive API for Integration
 - User Friendly Fully Customizable Interface
 - Flexible Module System
 - · Multimonitor Configuration Support
 - Unlimited Number of Workplaces



- · Custom Virtual Sensors Support
- CAN bus data reading
- User Definable Fields and Parameters
- Passengers Counting
- Treated Area Control
- Small Aircraft Special Features
- Discrete, Analog and Digital Sensors Support



- · Powerful Fuel Management
- · Refueling and Fuel Draining Detection



- · Driver ID and Automatic Driver Assignment
- · 2-Way Messaging



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