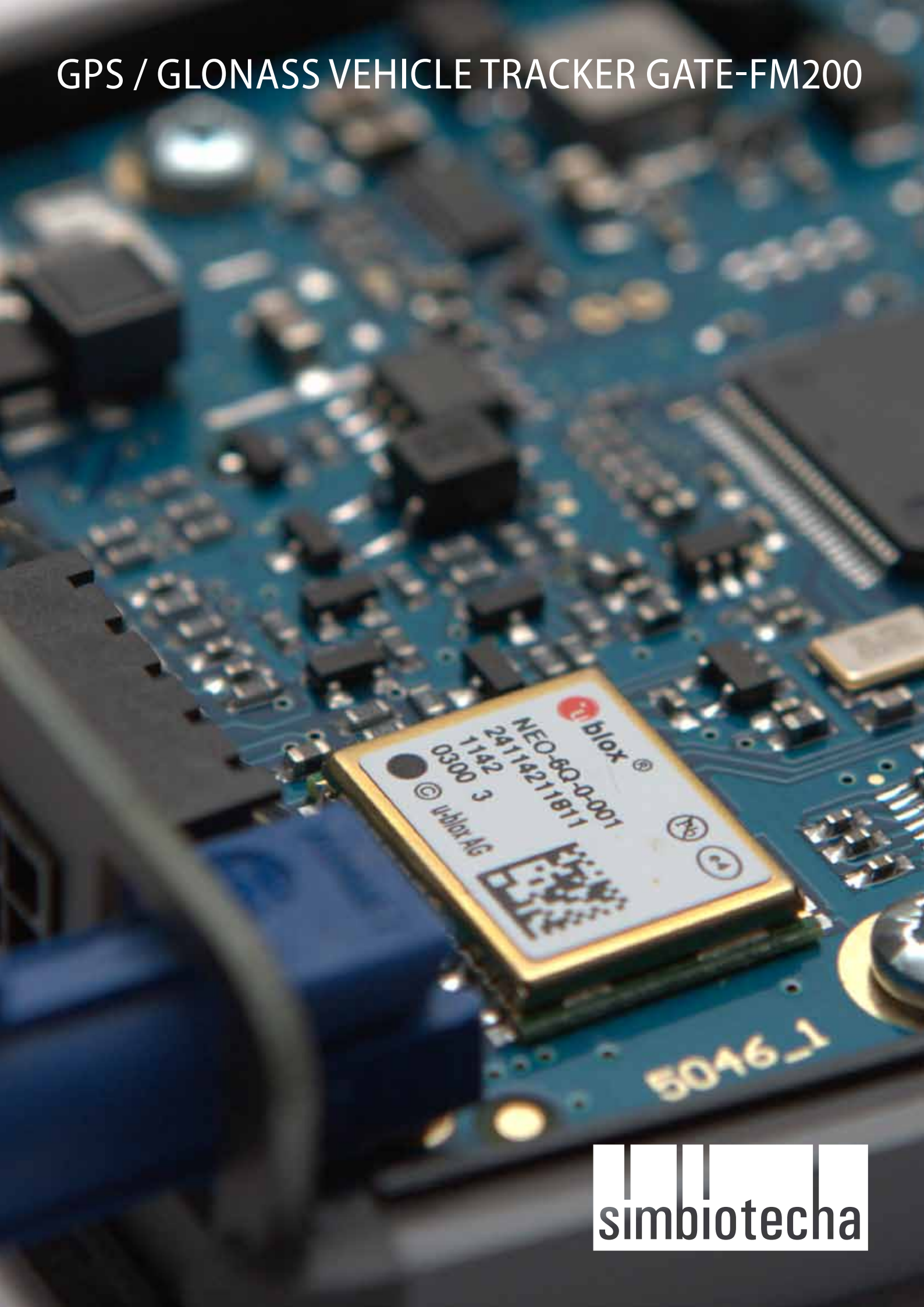


GPS / GLONASS VEHICLE TRACKER GATE-FM200





The company "Simbiotecha" has a long-term experience in creation and manufacture of electronics. At the moment the company pays much attention to development of new electronic devices for transport. Long-term experience and specialists of high qualification are able to develop and offer to the market electronic devices with exceptional design and wide application. We kindly present you our solutions and electronic equipment, which helps to develop transport business and saves your time and money.











It is ideal for tracking and control of heavyweight transport of European manufacturers (MAN, DAF, MB, SCANIA, IVECO, VOLVO, RENAULT) as well as tracking of light motor vehicles.

TECHNICAL DATA OF THE DEVICE:

- GSM 850/900/1800/1900 Mhz
- GPS / GALILEO or GPS / GLONASS
- CAN (J1939, J1708) PLC (Power line communicator; only in GATE-FM210 model)
- K-Line, TCO Info Line (for digital tachographs)
- 1 RS232, 3 digital I/O, 3 analog inlets (12 bit)
- Standby supply unit: LiPo 1550 mAh
- Working environment temperature: -40--+85 °C
- Working supply voltage: DC 8-30 V
- Average power consumption: 1 W

We hereby present the products, which are perfect for GPS / GLONASS / GALILEO tracking and management of different transport. This service will be ensured by GSM controllers, adapted for mounting in vehicles and receiving the majority of services in the entire market of controllers. For that we have created the group of GATE-FM (GSM application terminal for fleet management) controllers. At the moment we offer fourth generation controllers GATE-FM200 for transport control and tracking. The equipment GATE-FM200 is developed in the up-to-date CINTERION BGS2 GSM modem base and has the most sensitive recipients of U-blox coordinate determining in the market.



	Temperature measuring		Eco driving
	Fuel consumption control		Trailer recognition
	Working hours from the TCO entry		Measurements of fuel level in tank
	Contact with a driver		Internal backup battery
	Identification of your vehicle location		CAN bus



TECHNOLOGICAL ADVANTAGES OF THE DEVICE:

The created new LER (Low EMI / RFI) technology has a very low electromagnetic field and radio spectrum emission. All supply and data transfer chains are supplied with EMI / RFI blocking solutions; only ceramic passive elements are used. The use of such elements not only ensures low noise level, but also durability and stable operation of the device. When solving these technological issues, the specialists of our company has carried out researches, and published articles in scientific literature.

The links intended for vehicle industry ensure qualitative integration of the device in a vehicle. FAKRA link is used for radio frequency; supply and signal input links of the leading link manufacturer TYCO.

The internal fitted LiPo power supply will ensure the device's operation for long hours. Even upon disconnection of all links, the location of the device can be determined. CINTERION company's GSM modem thanks to its software can inform about its dislocation place in GSM network.

The state of the device's operation is easily found with the help of external LED. Integrated RGB LED can easily give a signal about the device's operation in optical messages of

different colours. This is very convenient when mounting the controller in vehicles.

Internal GSM antenna ensures additional safety; it cannot be disconnected from the device. When designing the internal GSM antenna and using LER technology, we have obtained an excellent ratio of GSM signal and noise. GPRS data will be transferred even upon poor GSM signal. After evaluation of possibility to determine the cases of blocking GSM signal, we have obtained a perfectly protected and qualitative data transfer solution.

CONTACTS

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