



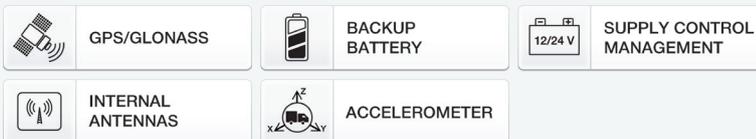
iON ULC

The iON ULC navigation user terminal is an extension of the iON series which has given a good account of itself. The reliable iON ULC tracking terminal stands out by its attractive price. The iON ULC terminal of high-quality with multiple features is an ideal solution for small-scale businesses which possess their own fleet. The terminal is designed for installation both in passenger cars and trucks.

The device determines its position using GPS and/or GLONASS satellite systems. iON ULC holds a configurable power-saving mode which can be enabled automatically when a vehicle comes to a stop and disabled at engine start. The built-in battery iON ULC provides self-sufficient online operation up to 5 hours.

The device features wide input voltage range: 9-40V; maximum permissible voltage – 55V. The terminal is equipped with a diode to protect the circuit from voltage spikes, high-voltage noise, and reverse voltage. The “black box” ensures data saving if no connection to the server is available.

The iON ULC is fully integrated into the Web iRZ Online software package and allows for monitoring the targeted use of a vehicle and fuel.





Technical Specifications	
Navigation receiver	GPS/GLONASS
Data link	GSM/GPRS 900/1800 MHz
Antennas	built-in GPS/GLONASS antenna
	built-in GSM antenna
Flash-memory	10000 records
Built-in accelerometer	three-axis
Electrical Specifications	
Power supply voltage	9 to 40V
Maximum permissible voltage rating in a long-term operation	55 V
Current consumption in various modes (at 24V power voltage), maximum	75 mA (operating mode, the battery is charged)
	210 mA (operating mode, the battery is discharged)
	3.4 mA (6.1 mA at 12 V) (sleep mode)
Built-in battery	Li-Pol, 500 mAh
Connectors and Interfaces	
Connectors	MicroFit 8 power connector
Interfaces	analog input of 0..30V (e.g., for connection of an analog fuel level sensor)
	discrete input
	discrete output («open collector»)
Physical Specifications	
Dimensions, mm	93.8x73.6x20
Weight	90 g
Gross weight	120 g от -35°C до +80°C
Operating temperature range	-35°C to +80°C

