



About the product

The KPP-2 on-board computer was designed to integrate an information display controller with a vehicle operating parameter recorder. The work of an experienced team of designers resulted in the creation of a technologically advanced central unit that manages all elements of the passenger information system and records various events transmitted by the vehicle electronics.

One of the primary tasks of the KPP-2 is to control electronic information displays, validators, and ticket machines. The device also enables counting passenger flows and controlling mobile recorders, image and sound, voice announcements, and vehicle positioning. Another important functionality of the KPP-2 computer is the execution of journeys based on timetables planned by the carrier. Schedules for the entire fleet are created using dedicated software and delivered to the device via radio. From the user's perspective, all that's required is to create a single data packet, which is then distributed to the entire fleet.

The KPP-2 also allows you to read and write all kinds of information about the status of the vehicle itself. The device is equipped with a range of interfaces that communicate with the vehicle electronics via the CAN bus and digital, time, pulse, and analog signals.

These solutions enable the recording of user-selected parameters, such as fuel consumption, energy use, rapid acceleration and braking, distance traveled, speeding, door opening time, and many others.

All collected information is saved in the computer's internal memory (Compact Flash card) in the form of a specially These messages can be read using dedicated software, which processes files downloaded from KPP-2 and presents them as reports. This ensures that all data contained in the controller is secured and accessible only to authorized users. Files are delivered from KPP-2 to the user's computer automatically via appropriate software and hardware.

The KPP-2 on-board computer is also a crucial element of the Dynamic Passenger Information System. It provides essential information about the vehicle's current location and arrival time at a specific stop. These messages are used to update the travel and departure times on electronic bus stop displays. A similar situation occurs when traffic light priorities are determined, known as the "Green Wave."

An additional advantage of the device is its compact design. Unlike many devices available on the market, the computer we are presenting was created as a single unit. The small dimensions of the KPP-2 allow it to be integrated into the vehicle's dashboard and all cables to be connected in one place.

More about
our products





Rail
transport



Tram
transport



Trolleybus
transport



Bus
transport

Standard functions:

- Compatibility with a timetable generating system,
- Driver identification (PIN), MyFIRE card,
- Compatibility with paper ticket validators (10 and 17 character printing), ticket validation counting,
- Compatibility with RM radio modems and GPS,
- Compatibility with a tachometric device,
- Control of electronic direction and information boards,
- Voice announcements,
- Support for digital and time signals, pulse and analog,
- departure time suggestions for the driver,
- over-the-air data and software updates, and log downloads.

Options:

- Support for contactless and CAMEL COMBI contactless validators,
- Passenger flow counting,
- Electronic driver identification,
- Communication with the LRDT system (communication within the city with the fleet management center),
- Support for ticket vending machines.

Registration:

- Recording vehicle operating parameters (e.g., fuel consumption, engine speed, and many other elements transmitted by the vehicle electronics),
- Driver's working time, selected crew,
- Validator operating status, number of validated tickets,
- Punctuality of journeys,
- Door opening time,
- Distance traveled,
- Sudden braking or acceleration,
- Speeding,
- Vehicle position (requires GPS).

Technical data

Supply voltage	16-36V DC
Current consumption [at 24V]	max 0,2A
Dimensions [WxHxD mm]	192x95x94,5
Weight [kg]	0,675
Housing color	Matte black
Number of digital inputs	11
Number of pulse inputs	2
Number of time inputs	2
Number of analog inputs	2
Number of RS422 transmission channels	5
Number of RS485 transmission channels	1
Number of LAN interfaces	1
Flash memory [MB]	64-2048

