

LITE is a complete On Board Computer for Public Transport: ticketing machine, smartcards obliterator, fleet control driver console, etc.

LITE is the main element of the Busmatick *Integrated Location and Management Vehicles System SIGLA*.

Very easy installation that provides all the features of a modern **SAE** (Computer Aided Fleet Control) with the most complex operations of a **SVV** Selling and Validation System:

- **High speed printing** of tickets, waybills and liquidations.
- Manages databases of several companies.
- Maintains located the vehicle with the **GPS** receiver.
- Allows voice and data communication between the control center and the vehicle thanks to the **GPRS** unit.
- On line report of all service parameters: speed, last bus stop, passengers occupation, alarms, etc..
- Anchoring is simple thanks to a **stainless steel base** fixed to the vehicle that allows quick removal of vending and as easy user guidance.
- **Low consumption** current can take power directly from the vehicle emergency circuit to be permanently located.



General characteristics

- ABS and stainless steel case.
- Dimensions: 230 x 160 x 140 mm.
- Weight with brackets: **1,5kg**.
- Extended voltage range: **10-40 Vdc**.
- Extended temperature operational range: -10°C to 55°C.
- **EMC** electronics (**CE** mark).
- Real time operating system **RTOS-XP**.
- Memory: **4Mb** flash-eprom, **2Mb** SDRAM y **64k** E2prom.
- Real-time clock with universal calendar.

Driver console

- Reinforced 24 alphanumeric keys silicone keypad with backlight.
- 6 multifunction keys.
- Large graphic display (110x60mm).
- Multicolor leds and acoustic signals.



Communications

To connect all the necessary peripherals such as infrared barriers for passenger counting, electronic signs, validating chip card or magnetic stripe, LITE is equipped with the following communication ports:

- Isolated digital inputs: for doors sensors, fuel capacity, odometer, emergencies, etc.
- One relay output built up to 3A.
- Multiple input/output ADC/DAC.
- 3-Port RS-232 communications.
- 2-Port RS-485 communications.
- 1 USB 2.0 and 1 current loop.
- Memory pendrive bay.
- Can accommodate therein a WiFi module, Bluetooth module or our special communications SIGLA GPS/GSM module.

Communications module "SIGLA"

- Ultimate 64 channels GPS Locator.
- GSM antenna 'Quintus' multi-band.
- 3-axis Accelerometer.
- 'Watch dog' hardware to prevent crashes.
- Connector for external microphone and speaker.

High speed printer (Optional)

- Very high speed: 25cm/second.
- Average life: 50 million lines.
- Holds 2 rolls of 60mm thermal paper for more than 500 tickets per roll.
- High resolution graphics mode.
- Heavy duty cutter.

**Smart Card Validator**

- Contactless RFID card reader ISO 14443 A, B and NFC.
- DESFire ® platform compatible.
- Includes a SAM socket and 4 more optional sockets.

Optional Accessories

- Emergency button connection.
- External and internal passenger information systems connection.
- BIDI-QR external scanner.