Xp5Plus is a ticket vending machine, validator of smart cards with user display and reader for cards with intergrated contact. It is an on-board computer, the principal element of the **SIGLA** (Integral Vehicle Management and Localization System).

Very easy installation that provides all the functionalities of a modern SAE with the most complex operations of a Validation and Sales System (SVV) in a multi-company environment.

It can accommodate in its interior WiFi or the special module of communications GPS/GSM with which it informs in real time of all the parameters of the service: speed, last, stop, occupation, alarms, etc. And allows voice communication with the central.

General characteristics

- Ant-vandalism ABS and stainless steel.
- Dimensions: 150 x 225 x 265 mm.
- Weight: 3,7 kg. Base weight 2.0 kg.
- Extended power range: 9-36 Vdc.
- Typical consumption 10w. Maximum 60w.
- Operating temperature: -10ºC to 60ºC.
- Storage temperature: -20ºC to +70ºC.
- Electronic multi-layer normative CE.
- Micro-controller industrial range.
- RTOS-Xp real-time operating system.
- Memory: 8Mb flash, 2Mb SDRAM, 64k E2PROM and up to 1Gb on SD card.
- Real time clock with universal calendar.
- Programming in **C language.**

Communications

- **8 opto-coupled digital inputs:** for cancellers, odometer, emergency stopper, etc.
- **8 digital outputs** of 600mA.
- **2 analog** inputs and **2** outputs.
- 13 communications ports (TTL,RS232, RS485 or loop) to connect all the peripherals ncessary as electronic signboards, validators of chip card, Edmonson or ISO magnetic strip, etc.
- Bay for Xpack of memory of 4 Mbytes.
- USB port.
- Allows Bluetooth, WiFi, GPS, GSM/GPRS, etc.

Printer

- Very high speed: 15cm/sec.
- Average life: 37 million lines.
- Thermal paper: 60mm wide and 70mm in diameter.
- Prints over 1,200 banknotes with one roll.
- Controller with Flash memory for logos.
- High resolution graphic mode.
- High resistance cutter.

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Two dimensional bar code reader

- **Accepted codes types:** EAN-8, EAN-13, UPC-A, UPC-E, EAN/UP Add-on, Code-39,Code32, Codabar/Nw7, UCC/EAN/Code128, Industrial25, Interleaved25, Martix25, MSI/Plessey, RSS GS1 Databar

Driver console

- 24 key backlit silicone keypad, 6 contextual function keys.
- **Large graphic display** 110x60mm, 240x128px and backlit.
- Light and acoustic signals.

Integrated CC and SC chip card validator

- 70x40mm, 128x64 pixel and backlit **display** that indicates operation, balance, mode of use, etc.
- Light and acoustic signals.
- Card reader **ISO 14.443 A, B and NFC** with a **SAM module** and option of a sockter for 4 other modules.
- Allows validation on **DESFIRE**® platform.
- Incorporates a reader with **ISO7816** contact.

Instalation

- The anchor is simple thanks to a stainless steel base fixed to the vehicle that allows the **quick removal of** the vending machine, incorporates a **power stabilizer**, connections to all the peripherals and a safety **lock**.
- Low power consumption allows you to take the power supply directly from the vehicle.
- Can be set to slave mode for vehicles with more tan one job.

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