



### General characteristics

- High resistance ABS plastic case housing and stainless painted in the oven.
- Dimensions: 300 x 90 x 50 mm.
- Weight: 750 g.
- Feed: **9-36Vdc**, 5 W.
- Temperature range: -10° C a +60° C.
- **EMC** regulatory multi-layer electronics.
- Flash memory **4Mbits**.
- Programming in **C language**.
- Two analog-digital inputs.
- One optocoupled input.
- Upgradeable software by serial port.

### Características GPS

- GPS receiver with up to 20 channels.
- Surface mounting.
- Ultra low power consumption "sleep mode" 120 uA.
- Standard consumption 130 mW in tracking.
- Power consumption iddle mode: 22 mW @ 2.7v
- 16 MB of flash memory.
- Size without antenna: **25.4 x 25.4 x 3.0 mm**.
- UN8021 chipset.
- Two UART 3v CMOS.
- 16 GPIOs.
- Extended power: 2.7 - 3.3 v.
- Temperature range: -40 a 85° C.
- Sensitivity of de **-152 dBm ( tracking ) y -138 dBm ( adquisition )**.

### Instalation

- Its integrated stabilizer allows to take power directly from the vehicle.
- The xpeed anchorage to the vehicle can be either ceiling or wall, with a base with a simple instalation.
- The Xpeed can be easily removed using a simple set screw and anchor guides.

### Communications

- **1** IrDA (infrared) or RS485 external communications port.

### User interface

- **Led array** 30X7 points.
- Acoustic device, buzzer 70dB.
- "Scrolling" of stored messages.
- Red and Green LEDs status indicators.

### Funcionalidades básicas

- Real- time passenger information on the vehicle's instantaneous speed.
- Hour and temperature information.
- Audible warning of alarms: speeding, being able to configure the máximo speed and recording in memory of the event, circular with door open.
- It cant give predefined messages associated with digital inputs: "Occupied WC", "Stop Requested" etc.
- Advertising messages displayed at a specific location (GPS) or at a specific time (internal clock). You have an internal memory of thousands of messages.
- Possibility of interconnection with on-board systems: SAE, ticketing, etc.
- "LOGGER": records scheduled events (GPS position, speed...) that are subsequently downloaded for study.
- You can use as an auxiliary information device to the passenger to give messages of the type "Next Stop".