

G14 TELEMATIC BOX

The G14 Telematic Box is a smart mobile device, used in public and private vehicles for ground-to-mobile communication, dispatching and tracking systems. The G14 have a GSM/GPRS engine to perform point-to-point or Internet communications, and a GPS system for positioning and tracking issues.

The basic G14 unit, powered by a 16 bits microprocessor, and running the MILOS Real Time Operating System (RTOS), featuring a TCP/IP stack, is capable of perform the basic vehicle control functions, as positioning control, on-line and off-line tracking, route control, etc. and inform it to the base.

The G14 unit is full user configured. Inside is running a FSM (Finite State Machine) that interpret the user configuration and performs the programmed tasks.



The basic G14 TELEMATIC BOX is composed as follow:

- 7 buffered RS232 ports (3 internals an 4 externals)
- 1 buffered SPI port
- 12 channels GPS Receiver
- GSM/GPRS/SMS modem
- 5 power outputs
- 6 digital/analog inputs
- Panic button input
- Antitamper detection system
- 12V-24V battery input
- Real Time Clock
- Dual switching power supply
- 1 Mbyte flash memory
- Buzzer
- Magnetic card reader input
- Dallas Button input
- USB 2.0 client output
- Microphone and earphone jack for hand-free speak

OPTIONALS

- 160 x 100 pixels B/W LCD display with alphanumeric remote control
- Affordable drive-wheel Remote Control
- Bluetooth class 1 module, SPP (Serial Port Profile),
- HSP (Headset Profile)
- Dallas button system
- Magnetic card reader
- Contactless card reader
- Backup battery
- Graphic printer

STANDARD SOFTWARE

True Preemptive Multitasking Real Time Operating system

Network:
PPP
ICMP
TCP/IP
UDP
ARP and RARP (DNS)
Firewall

Programmable FSM (Finite State Machine)



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G14

Main Applications

- Fleet Tracking and Surveillance
- Wireless Data Dispatching
- Telemetry and Data Logging
- Two-Way Messaging
- Remote Controls based on GSM/SMS/GPRS

Available Options

160x100 px LCD display with alphanumeric remote control



Contactless Card Reader



USB SPI/DALLAS COM-2 COM-1 MAG-CARD COM-5 AUDIO



GPS GPRS DISPLAY POWER and I/O

Dallas button system



Graphic printer



Affordable drive-wheel remote control



Magnetic card reader



G14

