



ZiboxLT 2.03

Telemetric Equipment

Overview
Revision 0.1
28 September 2007

Revision history

Version	Date	Author	Comment
0.1	28/09/2007	EILEO	Initial version

- 1. Product overview 4**
 - 1. Features 4
 - 2. Applications 5
- 2. Electrical architecture 6**
 - 1. Block diagram 6

1. Product overview



1. Features

- Microcontroller
 - ARM7TDMI-S CPU
 - 512kb program memory
- Flash Memory
 - 4Mb flash Memory
- Modem
 - GSM Quad-band
 - GPRS class 12
- CAN
 - 2 channels up to 1Mbit/s
 - CAN 2.0B / ISO11898-1
 - Global Acceptance Filter for 11-bit and 29-bit
- GPS
 - 12-channels
 - Fast TTFF (cold start) : 39s
- Bluetooth
 - Embedded Bluetooth v1.1 & v1.2 compliant
 - A2DP streaming
 - Multiple connection (up to 3 devices connected at the same time)
 - Stereo audio output
- UART
 - Conform to 16C550 standard
 - 3.3V (5V compatible), up to 115200 bauds
- Audio
 - 2 microphones inputs
 - 1 stereo line IN

- 1 stereo line OUT
- 4W Power Amplifier (8Ω)
- Inputs
 - 8 protected logical inputs
- Outputs
 - 14 open drains transistor outputs
- Analog
 - 3 external analogs inputs
 - 10 bits successive approximation
- Optional Extension
 - MMC / SDcard
 - Conform to Multimedia Card Specification v2.11
 - Conform to Secure Digital Memory Card Physical Layer Specification v0.96
 - SPI
 - I²C
 - Digital to Analog output

2. Applications

- Car-sharing
- Fleet management
- Remote CAN diagnostic
- Hand-free phone
- Tracking « black-box »

2. Electrical architecture

1. Block diagram

