Guardtrax LLC

11 Commerce Drive Lobby floor
Cranford New Jersey 07016

INTERGIS LLC: GUARD TRAX 2 GT-900100 -   FCC ID: ZAA-GT-900100

OPERATIONAL / TECHNICAL DESCRIPTION

The GT-900100 Guard Trax 2 is designed for use as a personal tracking and communication device..   This design incorporates an Atmel ATMega128 8-bit microcontroller, a Telit combination Quad Band GSM Modem/ 20 channel GPS Receiver, 3V 8 position SIM card interface, a DS1371 Real Time Clock, TI TRF7960/1 RFID AFE subsystem, a 512Kx8 SPI FLASH, a LP3470 POR, temperature sensor, light sensor, motion sensors, 10 position keypad interface, microphone and speaker audio subsystem, power supply and battery charging subsystem, a custom LCD interface with electroluminescent backlighting driver, USB subsystem, and the specified interface/debug connectors.
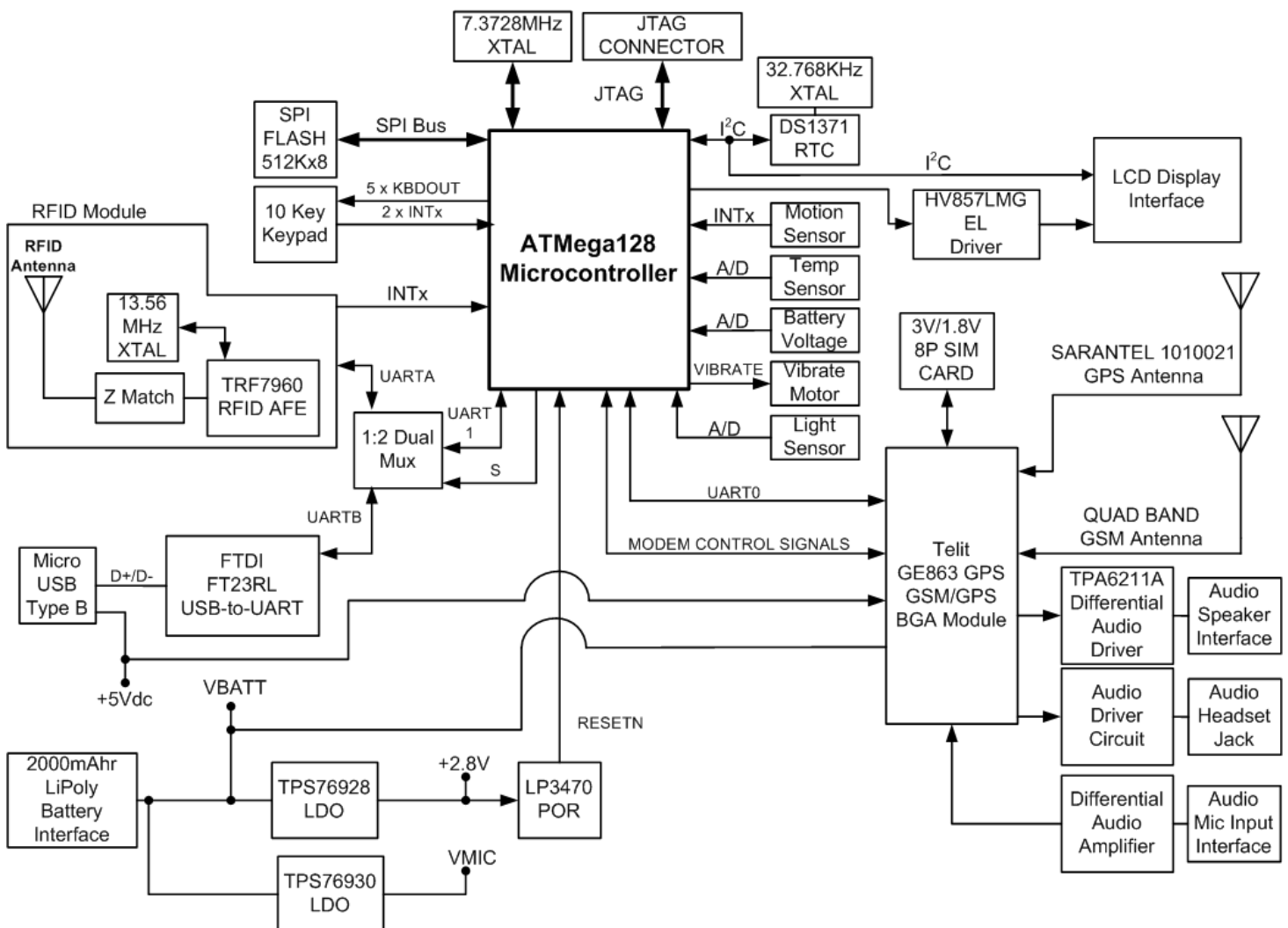

BLOCK DAIGRAM

Figure 1 - Functional Block Diagram