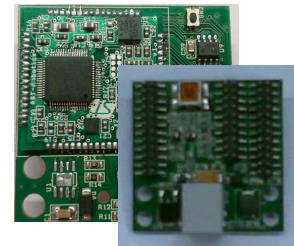
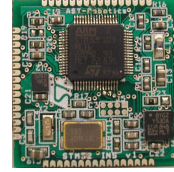


RIS v. 1.0

Main Features

- Very small Robotic Inertial System (RIS)
 - 30 x 30 mm System on Module (SoM)
this version can be directly soldered on your custom board
 - 34 x 34 mm Socket version
- ST-STM32F103RE Microcontroller
 - Arm CortexM3, 90DMIPS, 64KB RAM, 512KB Flash
 - Free Development Toolchain
- ST-LIS331DL / LIS331DLH
 - 3 Axis, 8 or 16 bit digital accelerometer
- ST-LY530AL
 - 1 axes, 10 bit digital gyroscope
- 4 x 16 pins for system connection
- Application board
 - 48 x 48 mm
 - USB, RS-485, I²C, SPI, GPIOs



STMicroelectronics

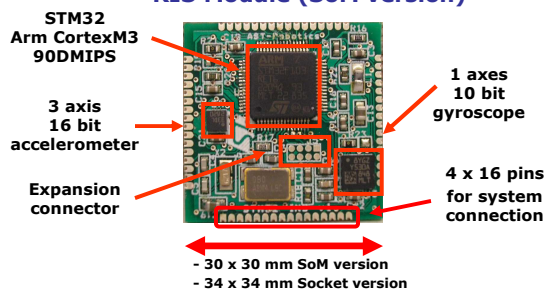
AST-Robotics

09 Mar 2009

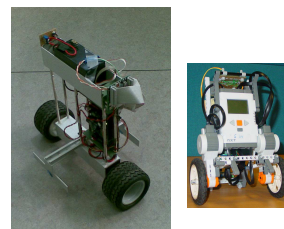


RIS v. 1.0

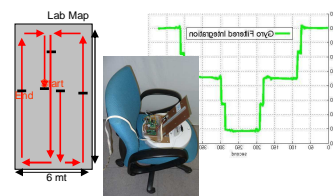
RIS Module (SoM version)



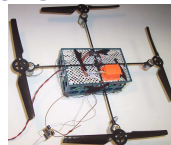
Robot stabilization



Improved localization



Flying stabilization



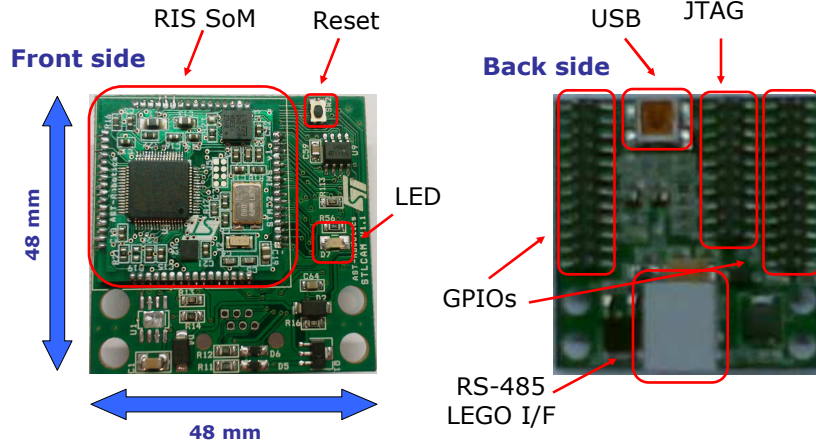
STMicroelectronics

AST-Robotics

09 Mar 2009



RIS development board



STMicroelectronics

AST-Robotics

09 Mar 2009

