

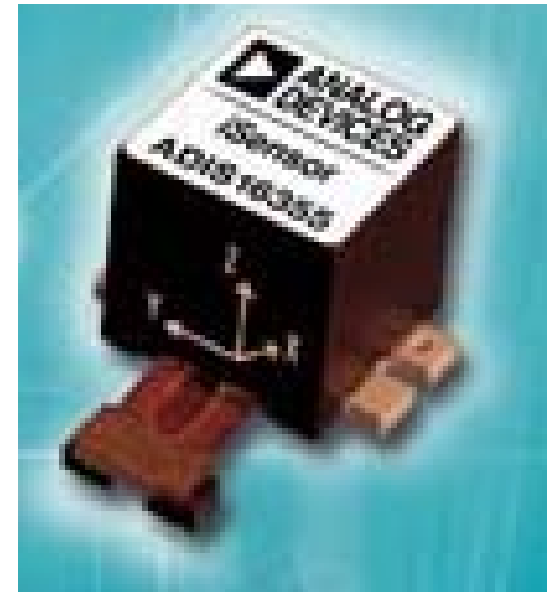
Interesting Items

Dave Jaffe

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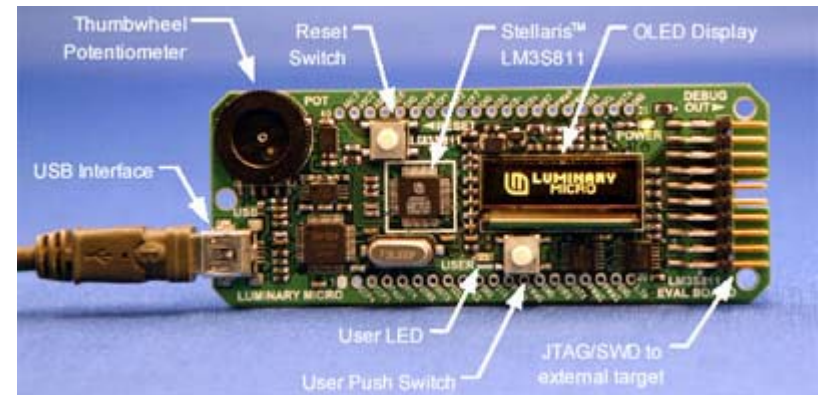
Inertial Measurement Unit

- Gyro - 300 deg/sec
- Accelerometer – 10 G
- 14-bit resolution
- SPI interface
- \$275 - \$359 in 1000s
- Evaluation board available



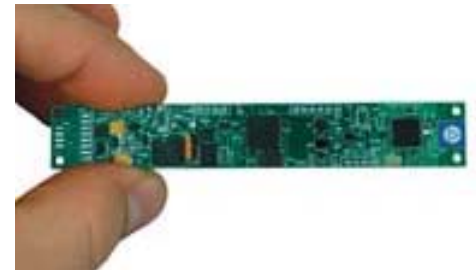
ARM Evaluation Kit

- Includes board, OLED display, USB, CD
- EKK-LM3S811 - \$49
- 64 Kb Flash, 8 Kb RAM
- UART, timers, PWM, I/O



Wireless Strain Modules

- Piezoelectric powered – no batteries
- Time keeper, memory, wireless
- Programmable sampling – up to 32 samples/sec



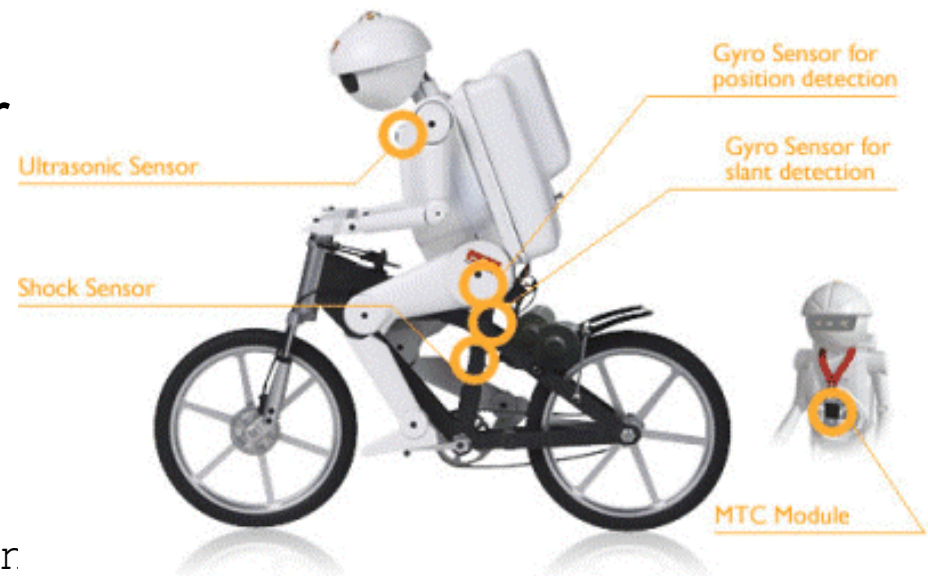
SMD Micro Motor



- 3.4 mm by 11 mm
- 2.7 volts
- Applications include cellphones, handheld consumer devices, and medical devices

Murata Boy

- 19 inches tall, 11 pounds
- Uses gyro sensor
- Ultrasonic obstacle detection
- Shock sensor
- Bluetooth communication
- For advertising only – not for sale



3 in 1 Input Device

- Joystick, optical encoder, and pushbutton
- 1 inch diameter
- Encoder has 2-bit output
- \$27 in 1000s
- 5 volt operation



Resistive Interface

- SimTouch force sensing resistor array
- Customized number of elements and geometry
- 1.5 to 2.5 oz activation force



Data Logger



- Serial input port
- Stores to Compact Flash Card
- USB connect to PC for reading data
- Creates DOS files – up to 2 Gb
- 7 – 30 volts unregulated
- \$470 - \$570