

# Interesting Items

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# Caveats

- I came across these products in recent magazines
- I have not bought or used these products
- I do not endorse these products
- I do not know much more about these products

# Touch Sensing Device

- Button & slider replacement
- 10 buttons or sliders
- I<sup>2</sup>C interface
- Chips have Flash & RAM
- Development kits available



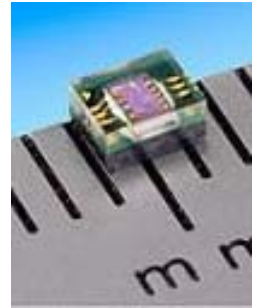
# Non-Contact Thermometer

- Narrow field of view – 35°
- Included 17-bit ADC, DSP, signal conditioning
- .01° resolution
- PWM output



# Proximity & Ambient Light Sensor

- I<sup>2</sup>C interface
- Low pass filter to remove flicker
- 2 12-bit ADC, DSP, temperature compensation
- Applications:
  - Turn off screen when not being viewed
  - Adjust screen brightness



# Stealth Computer

- No fans
- 2.5" disk or SSD
- 12 volt operation
- Many models offered



# Ultrasonic Sensor

- Analog (0 – 5v) or digital outputs
- \$79
- 6" – 20' or 1" to 12" ranges
- 8 – 24 VDC operating voltage



# Input Navigation Device

- Mouse function & click
- Scroll wheel
- 4 or 8-way switch
- Low profile





# USB Zigbee Transceiver

- Stackable USB system
- MaxStream XBee modules
- 4 10-bit analog inputs
- 2 PWM
- 7 digital I/O



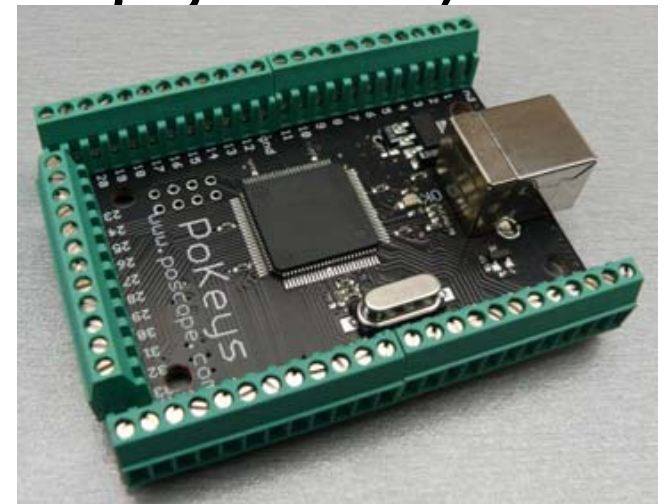
# Energy Harvesting Module

- Inputs are vibration, light, chemical reaction, fluid flow, heat
- 2V, 15ma, 1 second energy storage
- \$50 - \$59



# Keyboard / Joystick Simulator

- USB interface
- 55 digital I/O (virtual keyboard keys)
- 5 ADC input (10-bit) (virtual joysticks)
- 1 DAC (10-bit)
- Graphical interface
- \$81.25



# Electronic Compass



- Several models: TTL, serial, USB
- heading, roll, and pitch data for rapid attitude measurement
- .6" by .6" for TTL version – \$250
- Evaluation kits available (with cables, batteries, CD) – \$300 - \$500

# Wi-Fi Modules

- Wireless LAN to Wi-Fi bridge
- Multiple interface (UART, SPI, RMII, and USB)
- HTTPS and FTPS, WEP, WPA and WPA2 Wi-Fi encryption

