

The logo for Tech Insights, featuring the word "techinsights." in a lowercase, sans-serif font. Above the "i" in "insights" is a cluster of small, blue, glowing dots.

Welcome to
ESC Silicon Valley
April 15, 2008

Featuring the Creators of Technology













NEPTUNE

Ultra High Integration EPC SBC with Data Acquisition

- Up to 1.5GHz Premium M-CPU
- Up to 2Gb of RAM via DDR3AM
- 4x RS-232, 4 USB 2.0, 10/100 and Gigabit Ethernet
- Data acquisition with auto calibration
- Up to 16-bit A/D, 12-bit D/A, 24 DIO
- 16 synchronized digital I/O
- -40° to 85°C operating temperature
- Size 1 design





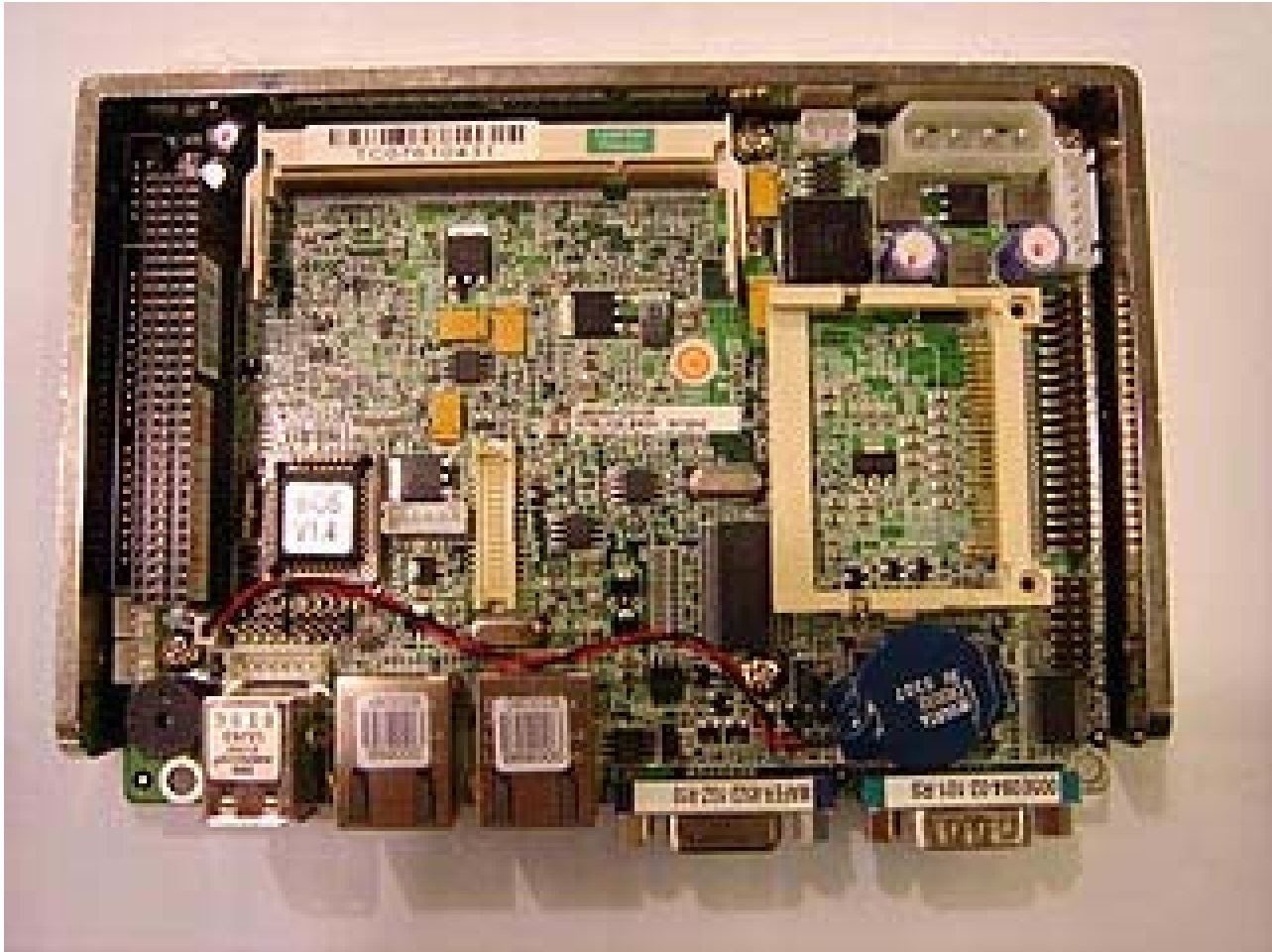
ATHENA II

High-Performance Rugged Embedded CPU with Data Acquisition

- VIA Mark 500-800MHz Processor, fanless operation
- 256MB memory soldered on board
- 4 RS-232, 4 USB, 10/100 Ethernet
- Data acquisition with autocalibration
- 16, 18-bit A/D, 4 12-bit D/A, 24 DIO
- -40° to 85°C operating temperature
- 2-in-1 design



www.via.com.tw



Universal Socket Connectivity



- MultiTech™ iM2000**
Industrial 2G LTE
- Complete, ready-to-deploy rugged design
 - 100,000 h 10-year warranty
 - 4G LTE up to 100 Mbps
 - 1000+ parallel I/Os
 - 3.3V I/O
 - Operates from -40°C to 85°C
 - Operating temperature and high voltage (5V) tolerant
 - Factory approved



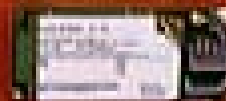
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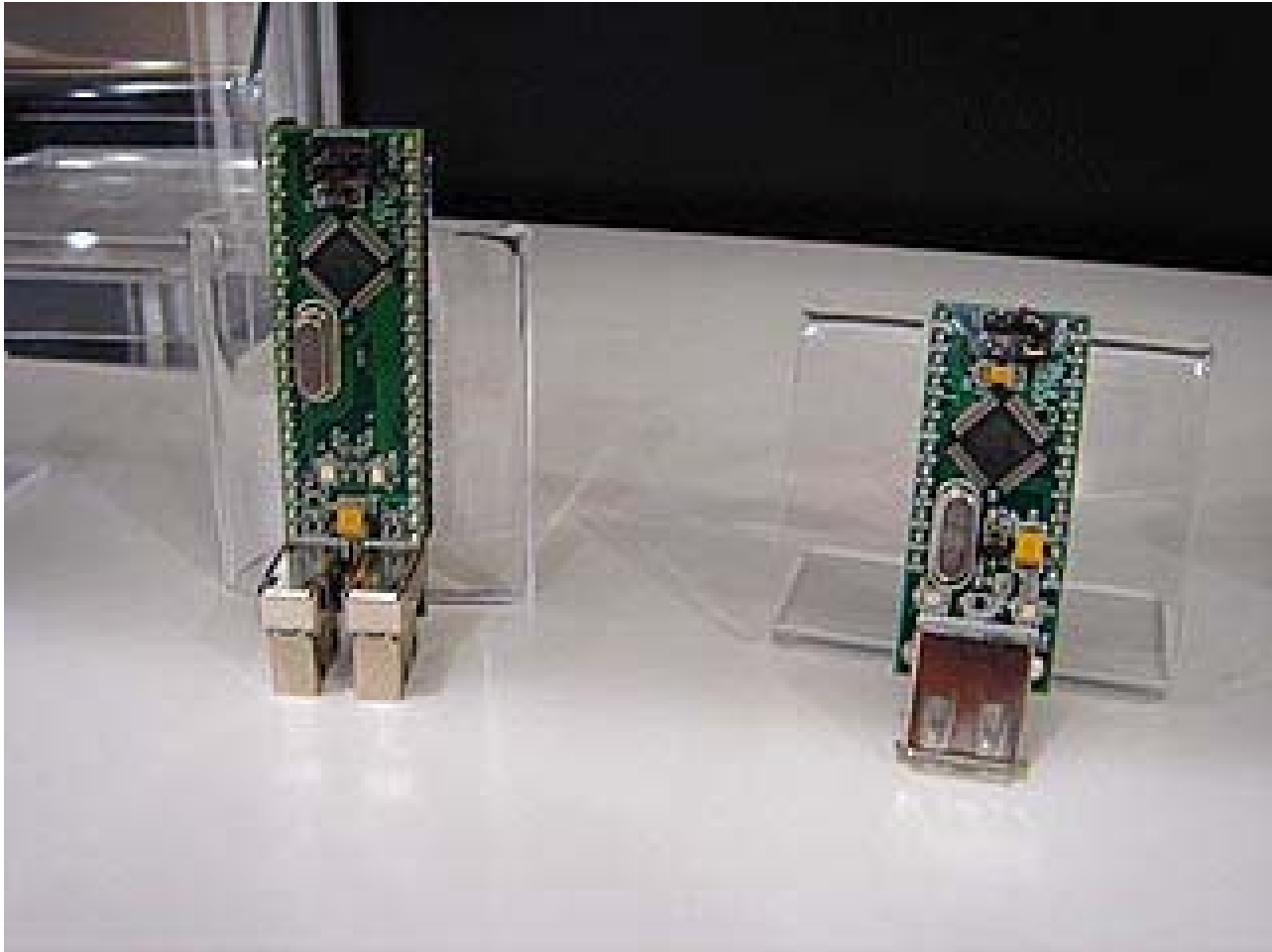


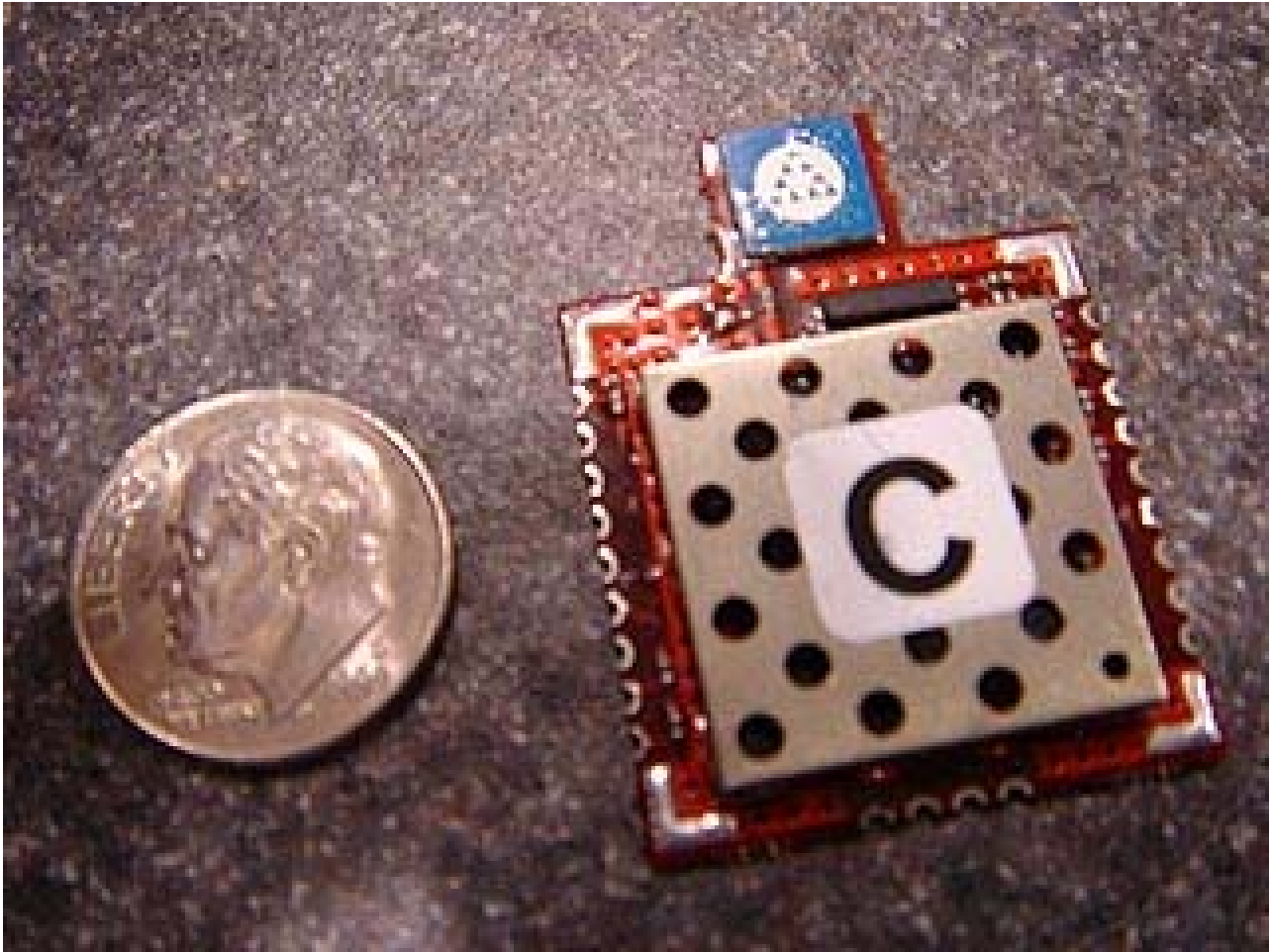
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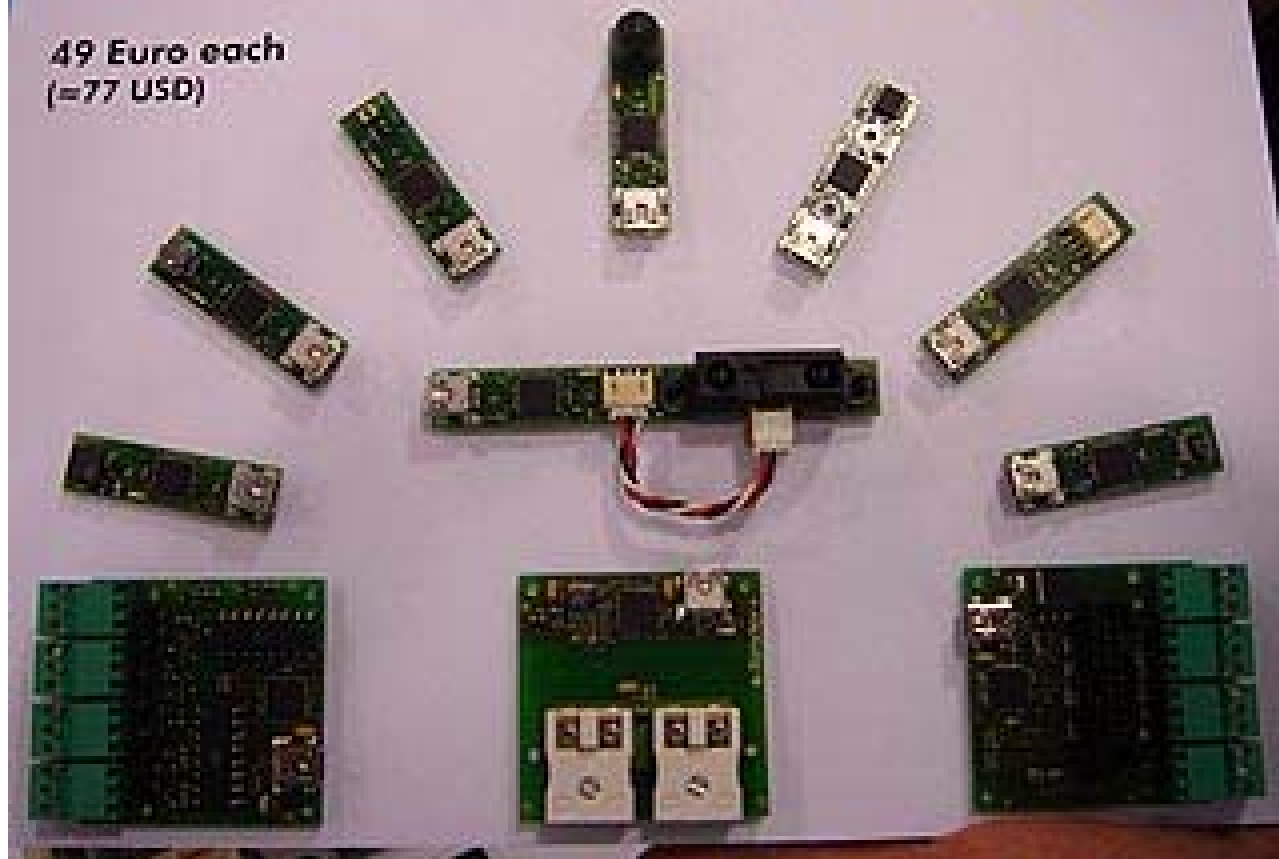




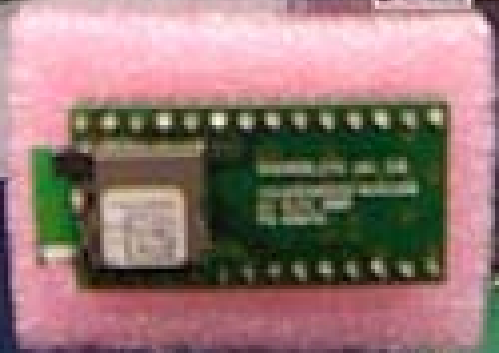
OAK USB Family

 Toradex

49 Euro each
(=77 USD)



ZigBee OEM Modules







WIZnet

WIZ110SR



Industrial Control LAN Module

V1.3 2008/4/3

*... integrated serial-to-Ethernet module built
... featuring high-speed UART, SPI, I2C, CAN2.0,
... and a real-time network operating system,*

*... e simplifies your product development
... integrates easily on to the system with
... the flexibility of complete product*



Applications

This compact serial-to-Ethernet module is very economical comparing to the similar products in the

17/2/2008

AX110xx RS-232 to Ethernet Reference Design



Hardware Block Diagram



ISDA5™ plus PC/1042 Enclosed PC/104 System

- Enclosed modular stacking system with front access to I/O modules
- Watertight design with IP67 protection
- MIL-STD-883C Class B, integrated MIL-D-38999
- Optional MIL-STD-883C Class C
- Standard or Shock Mount Base
- Integrated structure heat sink
- Stackable signal interface
- Operating Temp: -40 °C to +85 °C

ORBIT

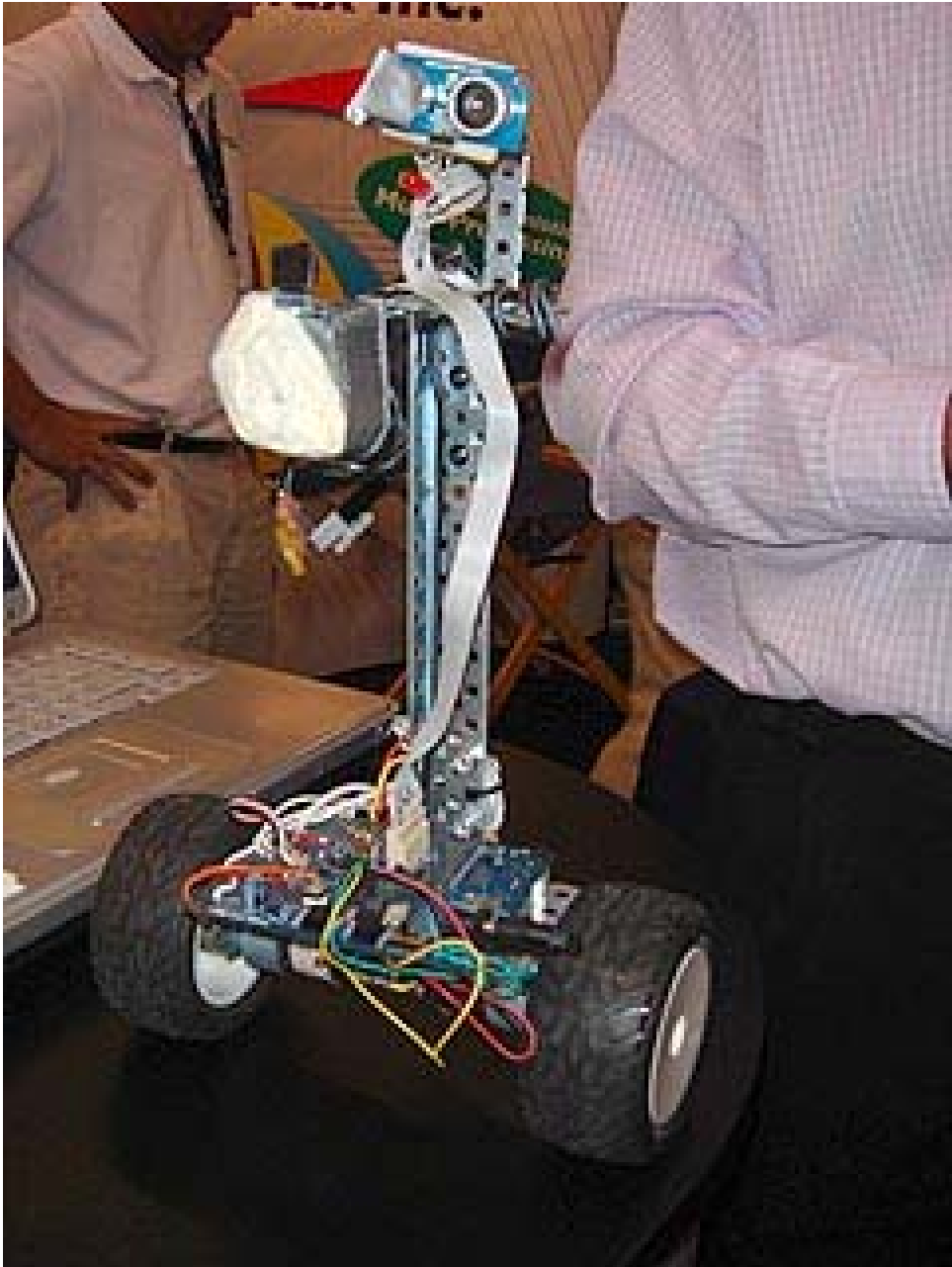


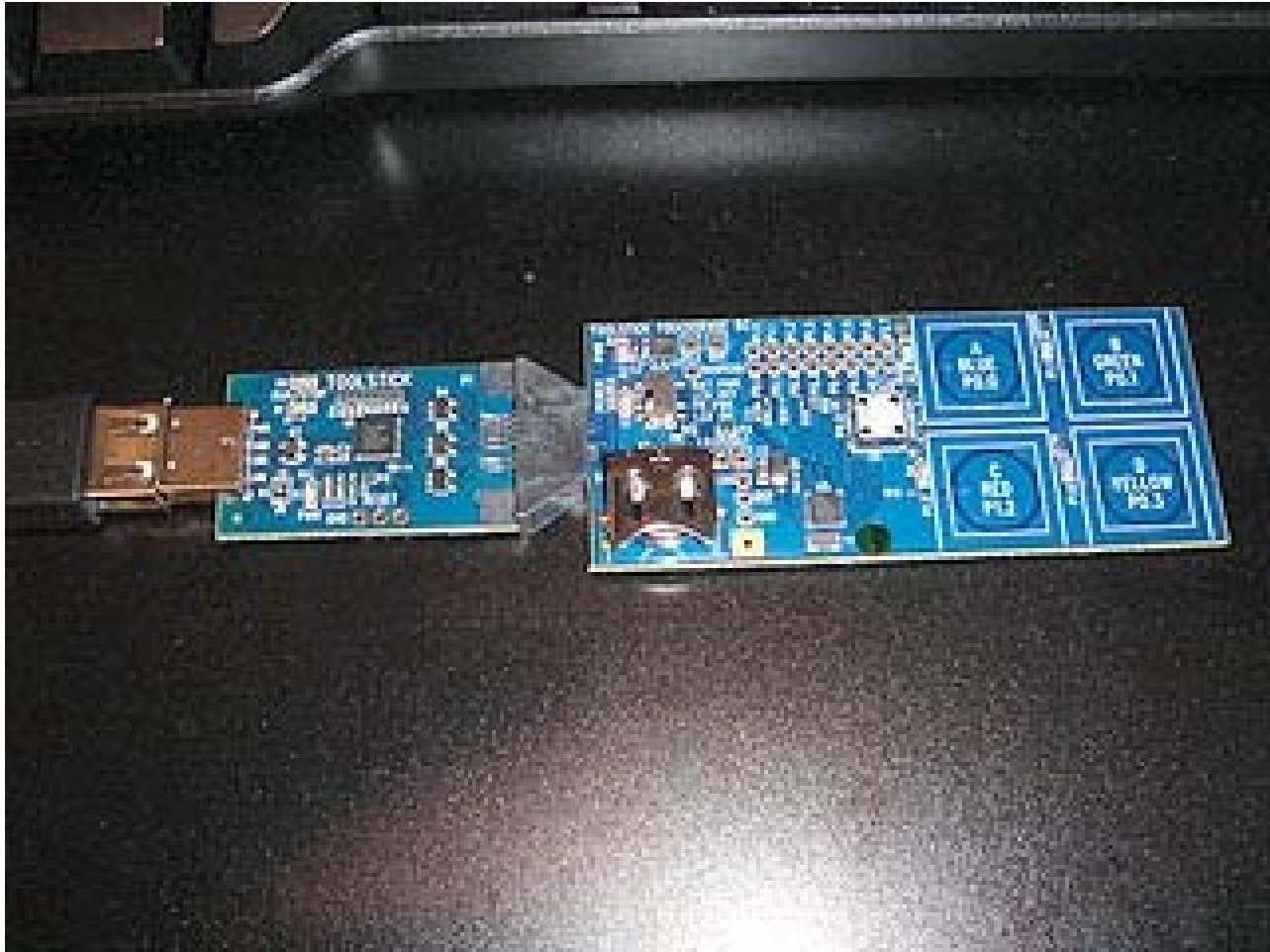
WLNG-AN-DP101

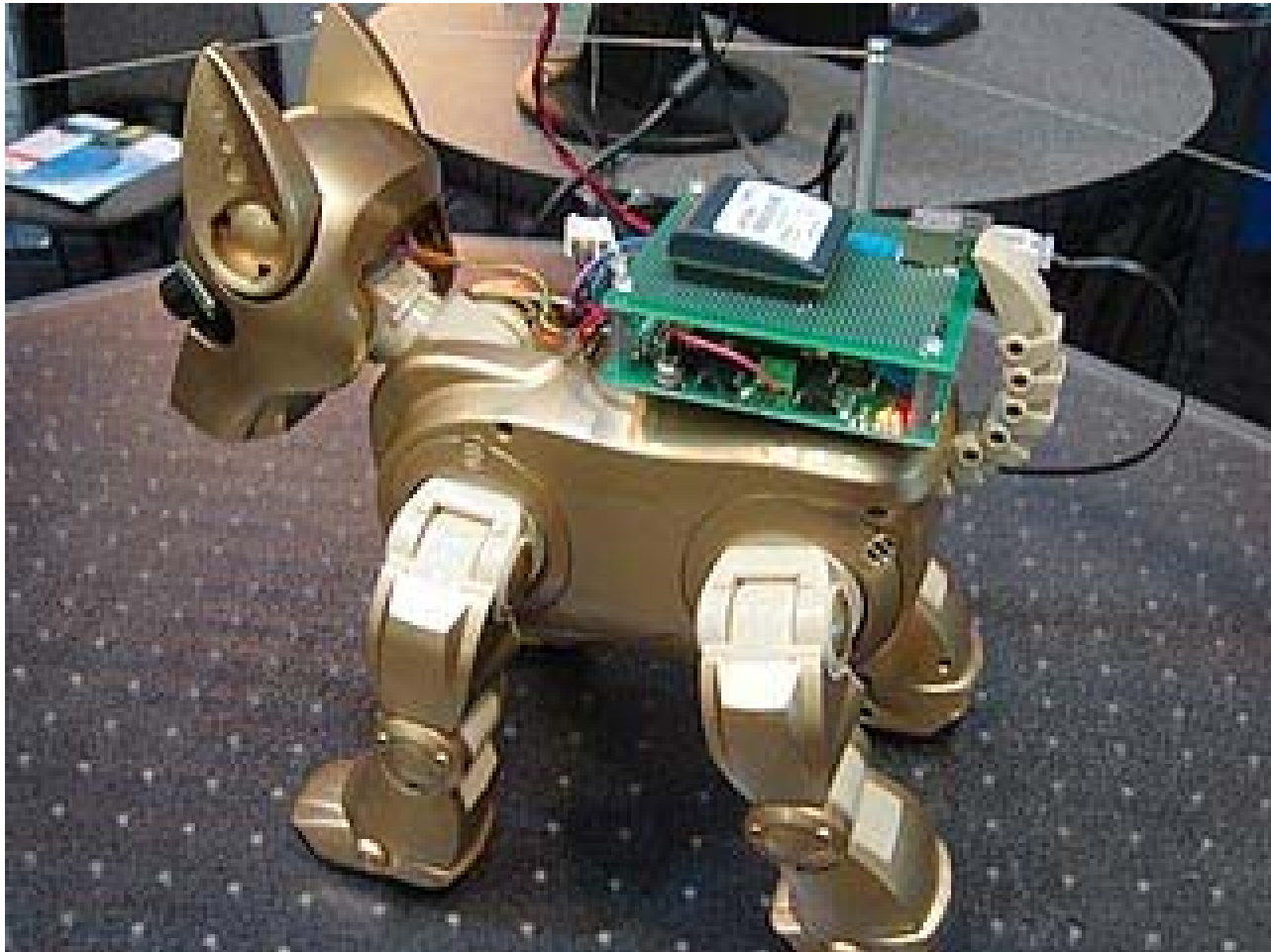
802.11b/g Serial Device Server Module













232 SERIAL INTERFACE from **RADIOTRON**

Easy UART interface with any host microcontroller



The W232 family of modules give you a

