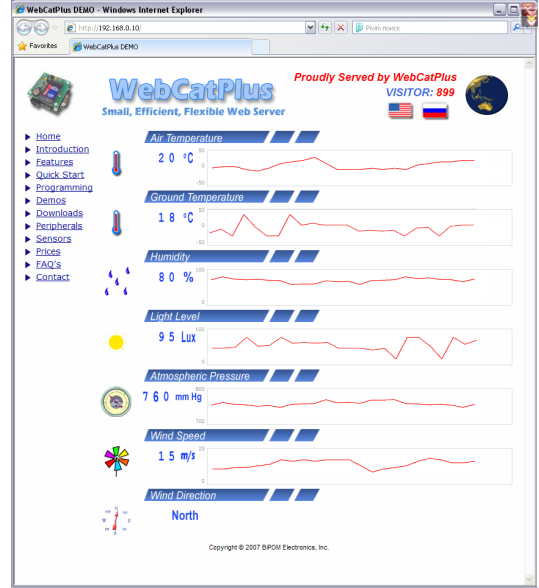## WebCatPlus Web Server

WebCatPlus, one of the world's smallest web servers. Occupying only 2.4" by 2.35" footprint and consuming under 110mA of current, WebCatPlus can operate from a small wall adapter or even batteries, yet allow you to monitor your data and control operations from around the world.

Combined with a large selection of peripheral boards from BiPOM Electronics, WebCatPlus packs versatility and power into a truly small form factor.

Turn relays on and off, rotate and tilt cameras, display alarms on LCD and VFD displays, reboot/reset PC's, activate robotic arms, watch motor speed, log temperature and humidity, display pressure and thousands of other real-world, real-time control and monitoring applications are possible.

No more need for dedicated, power-hungry PC's or expensive embedded processor boards for simple to complex web-based monitoring and control.

All this is now possible without a single line of programming. WebCatPlus comes   pre-loaded with a web server application that can read PC file format. Simply generate your HTML's with your favorite editor (for example, FrontPage, Dreamweaver, etc.), insert tags to monitor data from real hardware, insert commands to control real hardware and you are ready to monitor and control the world.

WebCatPlus Web Server is not limited to HTML pages. All client side scripting languages, such as Java applets, Java scripts, VB Scripts are supported.

Memory size of the web site is limited by the MMC size. It is possible to have megabytes (even Gigabytes !!!) of web pages.

WebCatPlus Web Server Features :

- Based on BiPOM's MINI-MAX/ARM-E board
- 32-bit ARM7 microcontroller (LPC2138, 58.9824 MHz)
- Second 8-bit AVR® CPU (ATTINY2313,8 MHz)
- 512K Flash, 32K RAM, 1MB DataFlash
- Expansion bus interface to low-cost peripheral boards
- JTAG programming interface
- LCD connector (programmable contrast adjustment for the LCD)
- 10MBit (10Base-T) Ethernet port (ENC28J60)
- Current consumption 110 mA
- Dimensions: 2.4" x 2.35" x 1.2"
- 31 Digital I/O's
- Two RS-232 Serial ports, I2C (2-wire) bus
- Watchdog Timer
- In-system programmer to upload WEB server firmware
- 6-12VDC power supply
- Real Time Clock with Lithium battery backup option
- FAT12/FAT16/FAT32, long name support
- ARP,ICMP,IP,TCP,HTTP stack
- Online Demo available at www.bipom.com/wc.php

Additional modules (peripheral boards and sensors):

- Analog to digital converters
- Digital to analog converters
- Additional data storage
- 7- segment LED displays
- Opto-isolated input board
- I/O expander board
- Motor controller boards
- Thermocouple inputs
- Various digital sensors to measure temperature, humidity and others

Product	Base Board	Speed	Storage	Specifics
WebCatPlus	MINI-MAX/ARM-E	Slow	Smallest	Files served from serial EEPROM. Low cost.
WebCatPlus-MMC-1	MINI-MAX/ARM-E	Medium	Large	Files served from MultiMediaCard (MMC).