

# An Embedded Web Server on the Head of a Pin – RoweBots Releases Unison Operating System V5

WATERLOO, Canada, Feb. 16 (SEND2PRESS NEWSWIRE) – RoweBots Research Inc. announces and releases the Unison™ Operating System Version 5, achieving a significant milestone in shrinking intelligent network servers and services into small and powerful microcontrollers. A Web server along with other advanced networking applications and a Linux or POSIX compatible application now fit inside any device.

The [Unison Operating System](#) offers an ultra tiny embedded POSIX environment for 32 bit microcontroller (MCU) based development that is also Linux compatible. Unison's open system environment enables users to migrate tens of thousands of programs from larger systems to the Unison real-time operating system (RTOS) to save time and reduce development costs. More importantly, this open approach reduces [time to market](#).

Unison supports lean product development and extends the range of processors that can run POSIX from powerful MCUs with external memory to small system on chip (SOC) MCUs. For the first time, users can develop all embedded products on common POSIX application programming interfaces (APIs) . This common POSIX API reduces training, eliminates rework, and facilitates software component reuse directly reducing development time, costs and risk.

Unison V5 offers the following enhancements:

- Web Server with CGI, Security and Authentication
- Advanced networking
- Kernel Enhancements
- FAT12/16/32 File Systems
- Flash File System support with uSD, SD and MMC
- Other I/O including Graphics and USB
- RTOS Viewer Tools
- Supports thousands of MCUs.

As MPUs shrink, all of these functions and an application can run in a few cubic millimeters in a SoC. You can put intelligent devices anywhere – in your home appliances and networks, in your clothes and jewelry, in your clean tech lighting, HVAC and power generation systems, in your car or inside your factory. Where we place intelligent devices is only limited by people's imagination.

Unison is helping build a simpler, friendlier and more energy efficient world.

Unison royalty free licenses are FREE for version 4 and start at \$999 for version 5. Both are immediately available.

**About RoweBots:**

RoweBots is developing the next generation of embedded POSIX software for OEM applications. The company is based in Waterloo, Canada. For more information, visit [www.rowebots.com](http://www.rowebots.com).

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