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## **Curtiss-Wright Announces Linux 2.6 Software Development Suite for PowerPC SBCs and DSP Engines**

LEESBURG, VA – October 9, 2006, -- Curtiss-Wright Controls Embedded Computing has introduced a new Embedded Linux Development Kit, the ELDK Linux 2.6.x, that simplifies the development of Linux application software applications for use with the company's most popular high performance VME and CompactPCI single board computers (SBCs) and DSP engines. The ELDK provides system integrators with a complete, powerful software development environment, and includes easy to use features including full Linux kernel source code, a GNU cross-compiler and board-specific drivers and support libraries. The ELDK eases the creation of Linux software by bundling tools typically found in traditional operating system development kits to enable fast software development in a known environment with standard tools.

"Curtiss-Wright recognizes the importance of powerful, easy to use software development tools designed specifically for embedded application developers," said Lynn Patterson, vice president and general manager of Modular Solutions, Curtiss-Wright Controls Embedded Computing. "That's why we've bundled the best-of-breed components, including the Linux kernel, Linux support package and BSPs designers need to quickly deploy code for defense and aerospace platforms."

In addition to a Linux kernel specifically optimized for use with Curtiss-Wright's SBCs, the ELDK includes cross development tools such as the Compiler, Assembler, and Linker needed to develop software for the target system. Native tools, including the shell, editor, utilities, compiler and libraries provide application developers with a standard Linux runtime environment for the target system. The runtime file storage may be provided to the target system via network (NFS) or loaded from Flash for diskless operation.

Curtiss-Wright VME, CompactPCI and Processor PMC (PPMC) cards supported by the ELDK include:

### **6U VME:**

SVME/DMV-183 Dual PowerPC 7447/7448 SBC  
Manta DX3 Dual PowerPC 7457 SBC  
Raptor DX2/GX/MX Dual PowerPC 7457 SBC  
Rhino DX/MX Dual PowerPC 7457 SBC  
Rhino 10 Dual PowerPC 7410 SBC  
CHAMP-AV IV Quad PowerPC 7447/7448 DSP

**3U CompactPCI:**

SCP/DCP-124 PowerPC 7447/7448 SBC  
SCP/DCP-122 PowerPC 750 SBC

**Processor PMC:**

PMC-106 PowerPC 7447 PPMC

Using the ELDK software suite, developers can address application projects ranging from uni-processor systems to complete scalable symmetric multi-processing (SMP) capable multi-CPU and multi-board systems. All components of the ELDK are available for free with complete source code under GPL and other Free Software Licenses. ELDK hosts on cost-effective Linux-based PC workstations and is installed via the Redhat Package Manager (RPM) tool.

**LINUX 2.6 Development Suite Features**

- SMP capable royalty-free open-source Linux 2.6.x solution
- Distribution contains DENX Software Engineering's Embedded Linux Development Kit (ELDK) 4.0 and a Curtiss-Wright specific Linux Support Package (LSP) and Board Support Package (BSP).
- ELDK Features:
  - A full GNU cross-compiler suite, gcc 4.0/glibc 2.3
  - Cross C++ support (gcc-c++ 4.0)
  - gdb command line debugger
  - Remote access applications and services (including web)
  - Secure shell/sockets, PAM, Kerberos 5 authentication
  - Wireless network tools
  - System monitoring and management, including SNMP
  - MicroWindows for framebuffer-based GUI
  - busybox, Simple Embedded Linux Framework
  - Archival and compression utilities
  - DB4 database API
  - Native gcc tool chain, shells and associated libraries.
- LSP/BSP Features:
  - Full kernel source code
  - File system reduction tool for diskless booting and operation
  - LSP/BSP specific documentation
- LSP and device drivers
- Complete software solution shipped on a set of CDs providing easy installation of tools, kernel BSP and drivers. (Reference embedded Flash file system included with the distribution).

The ELDK Linux 2.6 Development Kit is available now and is priced at USD \$6,000.

For editorial information regarding Curtiss-Wright Controls Embedded Computing Multi Computing products or services, contact John Wranovics, public relations director, Curtiss-Wright Controls Embedded Computing, Tel: (925) 640-6402; email. [jwranovics@curtisswright.com](mailto:jwranovics@curtisswright.com). Web site: [www.cwcembedded.com](http://www.cwcembedded.com).

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### **About Curtiss-Wright Controls Embedded Computing**

Curtiss-Wright Controls Embedded Computing is the industry's most comprehensive and experienced single source for embedded solutions, ranging from Processing, Subsystems, Data Communication, DSP, and Video & Graphics to the most advanced board level components and fully integrated custom systems. The Embedded Computing group serves the defense, aerospace, commercial and industrial markets and is part of Curtiss-Wright Controls Inc. For more information about Curtiss-Wright visit [www.cwcembedded.com](http://www.cwcembedded.com).

### **About Curtiss-Wright Controls, Inc.**

Headquartered in Charlotte, North Carolina, Curtiss-Wright Controls is the motion control segment of Curtiss-Wright Corporation (NYSE: CW). With manufacturing facilities around the world, Curtiss-Wright Controls is a leading technology-based organization providing niche motion control products, subsystems and services internationally for the aerospace and defense markets. For more information, visit [www.cwcontrols.com](http://www.cwcontrols.com).

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