

LynuxWorks, Inc.

855 Embedded Way • San Jose, CA 95138

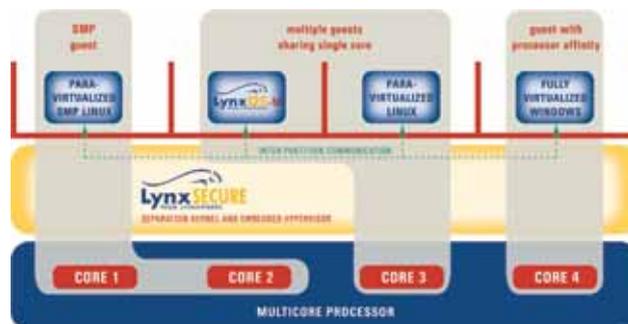
800-255-5969

www.lynuxworks.com**LynxSecure Embedded Hypervisor and Separation Kernel**

With the introduction of the new LynxSecure separation kernel and embedded hypervisor, LynuxWorks once again raises the bar when it comes to superior embedded software security and safety. LynxSecure has been built from the ground up as a real-time separation kernel able to run different operating systems and applications in their own secure partitions.

The LynxSecure separation kernel is a virtual machine monitor that is certifiable to (a) Common Criteria EAL 7 (Evaluated Assurance Level 7) security certification, a level of certification unattained by any known operating system to date; and (b) DO-178B Level A, the highest level of FAA certification for safety-critical avionics applications.

LynxSecure conforms to the Multiple Independent Levels of Security/Safety (MILS) architecture. The embedded hypervisor component of LynxSecure allows multiple "guest" operating systems to run in their own secure partitions. These can be run in either paravirtualized or fully virtualized modes, helping preserve legacy applications and operating systems in systems that now have a security requirement. Guest operating systems include the LynxOS family, Linux and Windows.

**FEATURES**

- › Optimal security and safety – the only operating system designed to support CC EAL 7 and DO-178B Level A
- › Real time – time-space partitioned RTOS for superior determinism and performance
- › Virtualization technology – supports multiple heterogeneous operating system environments on the same physical hardware using Intel VT hardware
- › Highly scalable – supports Symmetric MultiProcessing (SMP) and 64-bit addressing for high-end scalability
- › Support for open standards – supports 100% binary compatibility for Linux or POSIX-based software applications to migrate to a highly robust, secure environment
- › Support for latest Intel Quad Core i7 Nehalem processors