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LYNUXWORKS™

LynxOS-178

LynxOS-178 is the first DO-178B and EUROCAE/ED-12B certifiable, POSIX-compatible, RTOS solution. The COTS package includes the most robust feature set of any DO-178B level A certifiable RTOS kernel available. LynxOS-178 serves as foundation software for numerous DO-178B-certified deployments, including multiple mil/aero systems certified to DO-178B, up to and including level A. LynxOS-178 provides previously certified software and artifacts in order to fully satisfy, right out of the box, the DO-178B level A requirement. LynxOS-178 is the first hard RTOS certifiable to DO-178B level A while offering the interoperability benefits of POSIX and support for the ARINC 653 APplication EXecutive (APEX). LynxOS-178 is the first and only operating system to receive FAA Reusable Software Component (RSC) Acceptance for safety-critical software.

LynxOS®-178
FROM LYNUXWORKS

FEATURES:

- Low risk – known DO-178B level A certifiable RTOS package at a known cost
- Reduced costs – eliminates many years of effort and significantly lowers overall cost of certification
- POSIX conformance – the only DO-178B certifiable RTOS available today for safety-critical systems with POSIX conformance
- Support for ARINC 653 – ensures application portability, software reuse, and interoperability between embedded systems
- Time and space partitioning for fault containment
- Secure multithread, multiprocess applications
- ARINC 653 space and time partitioning
- Full POSIX conformance

For more information, contact: inside@lnxw.com

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