

ActivAda For Real-Time

- Optimized Validated Ada Compiler
- Award-Winning Windows Integrated Development Environment
- Supports Protected Mode Applications
- Certification Package For Safety-Critical Applications
- Choice of Scheduling Policies
- Integration With Rate Monotonic Analysis Tools
- Fast and Small Real-Time Kernel
- Multi-Library System
- Extensive Cross Debugging Capability, With Fast Download Option
- ICE Integration

The ActivAda for Real-Time cross-development environments help to realize the full potential of Ada on embedded systems, enhanced with an easy-to-use, productivity enhancing, Windows development environment. ActivAda supports the development of 32-bit protected mode applications for all 80386, 80486, and Pentium® processors.

The highly optimized compiler has been fielded for well over a decade, and includes run-time configurations scalable from a minimal kernel (with a footprint of about 1.5K) to a full Ada executive including multi-tasking and exception handling capabilities without arbitrary limitations. For complex applications that require reliable, predictable behavior, the real-time kernel supports Rate Monotonic Scheduling through the Priority Queuing and Priority Inheritance Protocol. When used with integrated RMA tools, these scheduling policies provide a mathematical guarantee of tasking performance under even worst-case conditions.

The C-SMART certification package is also available. This package is essential for producing certified solutions to safety-critical applications, and is compliant with the most stringent FAA standards. It includes a complete set of supporting materials for achieving certification.

HOST SYSTEMS SUPPORTED:
Windows 3.1

PROCESSORS SUPPORTED:
Intel386™ CX/EX/SX/SXSA/DX,
Intel486™ SX, IntelDX2™ , IntelDX4™
and Pentium® Processors

AVAILABILITY:
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