

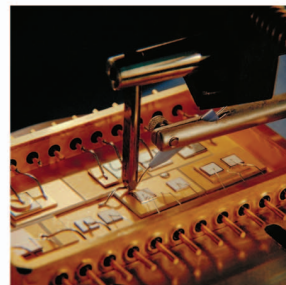
TenAsys: Real-time Virtualization Experts

Host multiple operating systems on a single hardware platform for optimum performance and cost.

As an embedded systems developer you know that real-time systems require precise control and responsiveness to time-critical events. General-purpose operating systems are ideal hosts for a wide range of system functions, but they fail to “keep up” when applied to mission-critical, real-time applications. Too often, developers must add a real-time operating system on dedicated hardware to meet their real-time application requirements. The optimal solution is to unite these multiple, dissimilar operating environments on a single hardware platform.

From Real-time OS to Real-time Hypervisor

Since the company was founded, TenAsys virtual real-time solutions have exploited Intel architecture processors to insure real-time responsiveness and reliability in a multi-OS environment, providing control over interrupt latency and partitioning of I/O resources. Embedded developers worldwide use TenAsys virtualization technology to meld the richness of a general-purpose OS with the precision of a real-time OS.



Our real-time platforms employ virtualization techniques that have been in use in hundreds of mission-critical real-time applications for over fifteen years: from DOS RMX in 1990, to iRMX® for Windows® in 1992, and INtime® for Windows NT in 1997. Now, innovations in Intel® Virtualization Technology (VT-x) are enabling TenAsys to deliver the most advanced tool ever for real-time virtual machine solutions: the Real-time Hypervisor.

For over twenty-five years, systems powered by TenAsys real-time platforms have been quietly running the world. The real-time performance and reliability of our products have made the following applications possible:

- Air traffic control
- Ground traffic control
- Ground transport (People Movers)
- Railway signaling and control
- Medical devices and instruments
- Mail sorting
- Bank note and check sorting
- Stock transactions
- Factory automation and robotics
- Mission-critical military applications

Leverage Intel Virtualization Technology

Building on our proven iRMX and INtime RTOS foundation, the new TenAsys Real-time Hypervisor leverages Intel Virtualization Technology (VT-x) on multi-core processors for superior real-time responsiveness and reliability. Developers of embedded systems now have more options than ever to create complex multi-OS virtual machine solutions on a single hardware platform.

Tools to Make Designers More Productive

To make real-time multi-OS applications quicker to design and shorten time-to-market, TenAsys provides developers with powerful, easy-to-use tools. TenAsys is the first software company to support real-time application debugging using Microsoft Visual Studio® tools. One toolset can be used to design both the Windows and real-time portions of your embedded system.

Developers can also take advantage of our sophisticated timing and process analysis tools for improved productivity. Our floating point libraries have been optimized for the Intel Architecture, giving you maximum performance. Real-time TCP/IP, USB, and industrial fieldbus stacks insure that your real-time applications can utilize up-to-date I/O for connectivity, control, and data acquisition.

Recognized by Intel and Microsoft

Maintaining close relationships with key hardware and software providers is critical to insure that customers get the best quality solutions and support.

In 2006, for the third year in a row, Microsoft recognized TenAsys (a Gold Level Windows Embedded Partner) as Partner of the Year in the Independent Software Vendor category. Go to www.msweb.com for more information.

TenAsys is also an Affiliate Member with the Intel® Communications Alliance, a community of communications and embedded developers and solution providers committed to the development of modular, standards-based solutions on Intel technologies. For more information, visit www.intel.com/go/ica.

Tenacity is Our Promise

Our engineering staff has participated in the development of this important real-time technology since its inception, tallying hundreds of man-years of Intel Architecture experience. Embodying the root word of its name, “tenacious,” TenAsys Corporation is fully committed to supporting its customers with updates and migration paths. We even provide the means to move competing real-time Windows applications to the TenAsys environment, where your application is sure to be supported for years to come on a full spectrum of PC platforms.

tenAsys®

Persistent, proven, practical solutions from the real-time virtualization experts



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