



Wind River Solutions for Java™ Developers

The PERC Product Family

Product Line Overview

WHY JAVA MAKES SENSE FOR EMBEDDED SYSTEMS

- ◆ **Abstraction** - say more with fewer words, dividing concepts into reusable components
- ◆ **Reliability** - reduce programming errors
- ◆ **Separation of Concerns** - contributions of diverse developers
- ◆ **Ease of Maintenance** - across multiple architectures
- ◆ **Scalability** - promote composition of components

Aonix solutions address real-time and soft real-time

- ◆ **Embedded / Soft Real-Time** - Actions performed on time have greater value than on time. Empirical measurement and enforcement of resource usage commonly used.
- ◆ **Hard Real-Time** - performed on time has negative value. Compliance with timing requirements proven with theoretical techniques prior to code execution.
- ◆ **Safety Critical** - Actions performed on time have catastrophic consequences. Typically, certification to DO-178B or equivalent guidelines is required.

Wind River Platform Support

- ◆ **VxWorks Edition - v6.x, 5.x**
- ◆ **Linux Edition - v2.6.x**

Today's embedded systems are more demanding and varied than ever. With application areas as diverse as fleet telematics, industrial automation, civil avionics, and military field equipment and network infrastructure,

ATEGO REAL-TIME VM SOLUTIONS

Beginning with the PERC virtual machine, which has fueled tens of thousands of successful application deployments, Atego has developed patented technologies and incorporated them into products

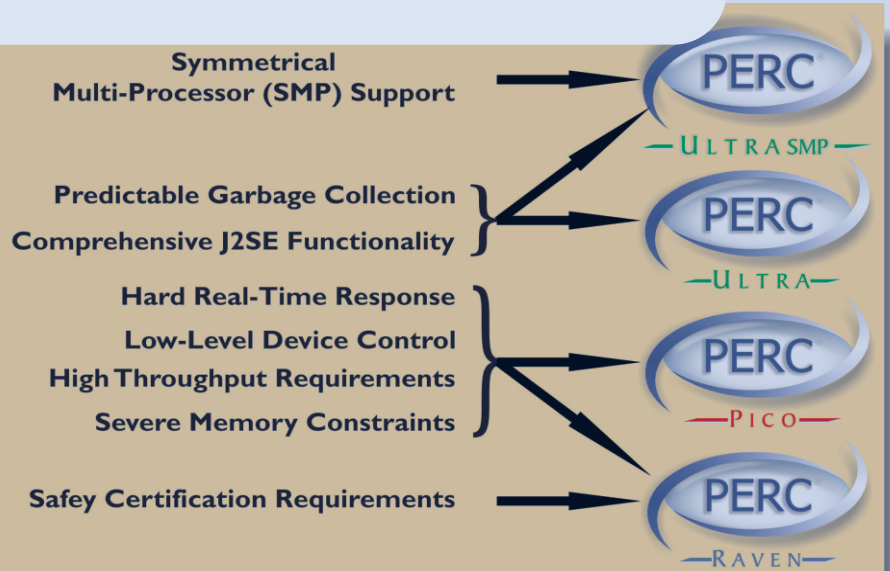
to build critical applications with higher reliability than is possible with legacy technologies even when using legacy language code.

for large scale applications. The rich features of PERC coupled with predictable performance and proven product, offered by competitors - it offers more applications than any other system.

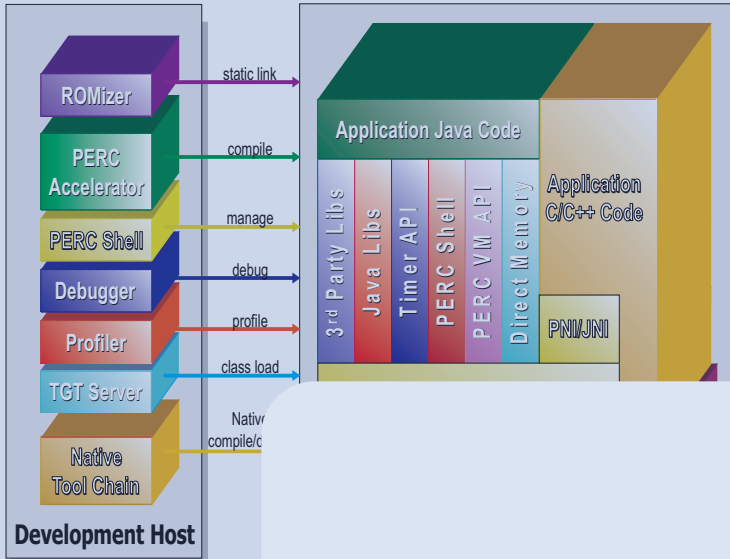
PERC is specifically designed to meet requirements for small footprint, low level device access. PERC applications can run as C/C++ programs, while maintaining memory efficiency.

Along Atego tradition of reliability, PERC are in use in many of the most demanding applications operating today, including defense, space, and transportation applications. PERC Raven applies the same principles as the basis for fulfilling your needs.

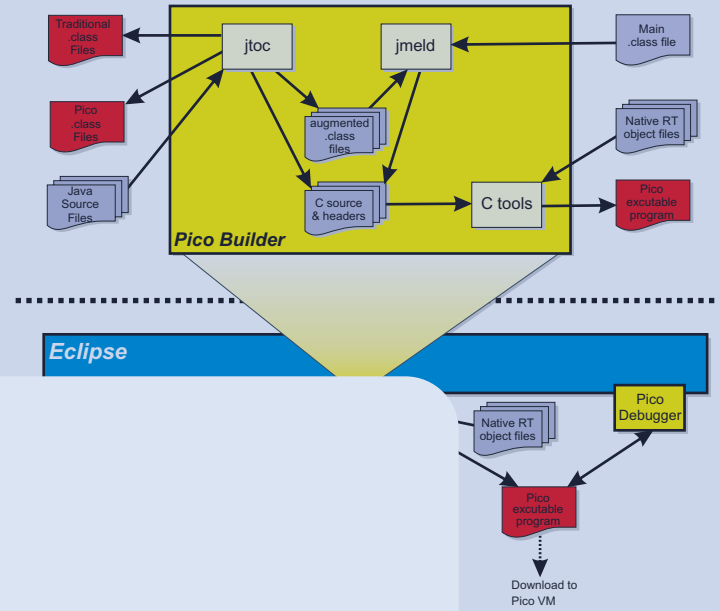
• Needs?



PERC Ultra Toolchain



PERC Pico Toolchain



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Benchmark			
Sieve (standalone)			
Sieve (CaffeineMark)			
Loop (CaffeineMark)			
Logic (CaffeineMark)	104	100	220
Method (CaffeineMark)	141	100	152

Pico benchmark spot.

Figures denote relative execution times, therefore lower numbers reflect faster performance.

To obtain more information, please contact Atego at www.atego.com or call one of our sales offices

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