WIND RIVER

Wind River Embedded Development Kits

To meet aggressive product release schedules, embedded developers need to begin their application development in minutes rather than days or weeks. At the same time, they require technically complex solutions from their software and hardware vendors, to address a multitude of use cases spanning all market segments and hardware form factors. Historically, the requirements for speed and technology have not aligned, with speed being sacrificed in favor of more technically comprehensive solutions.

Wind River has partnered with leading embedded board vendors to provide embedded development kits that enable developers to begin application development within minutes of opening the kit. They provide a technically comprehensive platform to address complex development requirements.

Highlights

Wind River Embedded Development Kits include a bootable USB flash drive that immediately turns any host computer into a fully integrated development environment (IDE), with absolutely no installation required. Each board comes with a pre-flashed 30-day run-time trial version of Wind River's VxWorks real-time operating system or Wind River Linux. The software from Wind River is optimized for developing, running, debugging, and prototyping embedded software directly onto the chosen commercial off-the-shelf (COTS) processor board using Wind River Workbench. Options with a trial version of Wind River Hypervisor and Wind River Tilcon Graphics Suite are also available depending on the specific embedded development kit configuration.
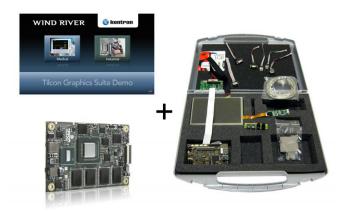
Using the startup guide and a set of comprehensive, step-by-step tutorials, developers may walk through applicable use cases and workflows intended to make them productive in a matter of hours, using the included self-directed documentation, play-by-play videos, or both. Since each embedded development kit is optimized for Wind River's embedded software and development tools, customers obtain a more tightly integrated hardware and software solution, with easier access to board-specific components.

With the all the software and hardware ready, developers can quickly write applications to validate their fundamental design decisions. Developers now have a quick and efficient way of creating "proof of concept" applications. This enables engineering managers to make optimized design choices and avoiding mistakes late in the design.

Benefits

Wind River Embedded Development Kits provide the following benefits:

- **Productivity:** Application development can begin in minutes rather than days or weeks, similar to starting up a PC or a workstation.
- **Suitability:** Each kit has been developed with a specific set of application spaces in mind so that the combination of hardware and software in the kit is pre-integrated and provides comprehensive support for the applications.
- **Scalability:** Developers can take the work they created using the 30-day trial software and easily transfer it into the fully licensed Wind River development environment. The documentation in the kit shows how to quickly accomplish this.

Inaugural embedded development kit: Kontron nanoETXexpress-SP

Features

Wind River Embedded Development Kits typically contain the following components:

• Printed "Getting Started Guide"
• Target board or module with optimized binary run-time trial images and root file system pre-flashed onto the board
• Bootable flash media (live USB or similar) containing
  - Fedora host
  - IDE with Wind River Workbench and other tools based on the requirements of the specific kit
  - Embedded development kit documentation including comprehensive evaluation tutorial
  - Audio-visual guides that cover the same content as the written embedded development kit documentation
  - Wind River documentation for the trial versions of Wind River products included in the kit
• Necessary peripherals (refer to specific kit for details)

Purchase

Wind River Embedded Development Kits are available exclusively from Wind River embedded board vendor partners including Emerson, Eurotech, and Kontron. Kits are planned to be available from other partners including ADLINK, Advantech, Curtiss-Wright Controls Embedded Computing, GE Intelligent Platforms, and RadiSys. Kits from additional partners will be available in 2011.

For a current list of partners and their available kits, visit www.windriver.com/announces/embedded-development-kits.

To purchase Wind River solutions, visit www.windriver.com/company/contact-us/index.html to find your local Wind River sales contact. To have a representative contact you, call 800-545-9463 or write to inquiries@windriver.com.

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