

# Aeroflex UT699 LEON 3FT $\mu$ PROCESSOR

## Software Support Fact Sheet

(C Cross Compiler and Device Drivers provided with Eval Board)



| DEVELOPMENT TOOL           | SOFTWARE PACKAGE                                 | DOWNLOAD STATUS   | WEB                                                      | SUPPORTED PLATFORMS                   | DETAILS                                                                                               |
|----------------------------|--------------------------------------------------|-------------------|----------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| Real Time Operating System | WindRiver VxWorks Version 6.5                    | Requires license  | <a href="http://www.windriver.com">www.windriver.com</a> | Sun Solaris<br>Windows NT/2000/XP     | High performance, scalable kernel with small footprint.                                               |
|                            | Snapgear embedded Linux for LEON Version 4.6.5   | Free              | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows (Cygwin)             | Contains kernel, libraries and application code for rapid development of embedded Linux applications  |
|                            | RTEMS-4.6.5 C/C++ real-time kernel Version 4.6.5 | Free              | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows NT/200/XP            | Multitasking capabilities; supports multiprocessor systems, priority based and pre-emptive scheduling |
|                            | eCOS real time operating system                  | Free with License | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows NT/2000XP            | Flexible, configurable, real time embedded kernel                                                     |
| C Compiler                 | Bare-Cross Compiler (BCC)<br>GCC C/C++ (v.3.4.4) | Free              | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows                      | Based on GNU compiler tools and Newlib standalone C library to compile eCos kernel                    |
|                            | RTEMS Cross-Compiler (RCC)<br>GCC-3.2.3 CC++     | Free              | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows                      | RTEMS-4.6.5 C/C++ real-time kernel with LEON 3FT support and BSP.                                     |
|                            | Eclipse C/C++ IDE                                | Free              | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Linux<br>Windows                      | Integrated development environment for BCC and RTEMS                                                  |
| Debugger                   | GRMON                                            | Requires License  | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Sun Solaris, Linux, Windows           | Debug monitor. Communicates with LEON debug support (DSU)                                             |
| Simulator                  | TSIM<br>GRSIM                                    | Requires license  | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Sun Solaris, Linux<br>Windows 2000/XP | Standalone or connection to GNU debugger. GRSIM supports multiprocessor systems                       |
| Board Support Package      | WindRiver VxWorks Version 6.5 – LEON             | Requires License  | <a href="http://www.gaisler.com">www.gaisler.com</a>     | Windows, Linux                        | LEON driver support for VxWorks 6.5                                                                   |