



Ashling Releases Full Embedded Linux Debugging for MIPS based Applications

December 2010: Ashling Microsystems, has announced the availability of a sophisticated embedded Linux debugger for MIPS based applications.

Ashling's PathFinder-XD Eclipse based debugger allows users to switch seamlessly between kernel space debugging and process/user space debugging within a single debug environment. This integrated approach provides users with an exceptionally powerful debug tool to resolve complex Linux related issues and considerably speeds up the debug process when compared to a more traditional setup.

PathFinder-XD supports Embedded Linux Debugging for kernels based on v2.6 or later and provides the user with two debug modes:

- Stop-mode debugging is done via the on-chip debug interface using Ashling's Opella-XD probe connected to a JTAG connector on the user's target.
- Run-mode debugging is done via a target serial/Ethernet interface and requires an application (GDB server) to be running on the target.

PathFinder-XD's integrated run and stop mode debugging enables users to have a very flexible and powerful debug environment for complex debug scenarios including: debugging Linux kernel and modules, debugging dynamically loadable Modules/Drivers, debugging Linux processes and libraries, debugging a module from `init_module()` or an already inserted module and debugging a process for `main()` or an already running process. PathFinder-XD displays the list of running processes and inserted modules along with the module structure and symbols.

PathFinder-XD with Embedded Linux Debugging is available directly from Ashling and its sales representatives worldwide. Contact details are on the Ashling website at www.ashling.com.

About Ashling Microsystems

Ashling Microsystems is an international Embedded Software Development Tools company. Ashling is a subsidiary of the NeST Group, a broad based technology provider operating in the areas of software development, electronics design and manufacturing, optronics and fiber optics, broadband and RF solutions and power systems and magnetics. Through its close cooperation with leading semiconductor vendors, Ashling is a world leader in the Embedded Software Development Tools market. Ashling has development centres in Limerick, Ireland and Trivandrum, India and sales and support representatives worldwide. www.ashling.com
