

Press release

Stretch S6000 with emlix Linux Board Support Package

(Las Vegas, 2009-03-31) emlix today announced the successful completion of their port of uCLinux to the Stretch S6000 family of software configurable processors bringing the power and flexibility of this industry standard operating system to the popular IP Camera reference designs.

Stretch software configurable processors feature an innovative and unique programmable fabric within the computational unit itself allowing the processor to be optimized for the particular algorithm being run. The ability to reconfigure this programmable Instruction Set Extension Fabric (ISEF) in real time ensures that the processor remains optimally configured even in real time, multi-tasking environments.

The direct advantage is reprogrammability at run-time within milliseconds, which brings a lot more flexibility in gate array use, as the processor functionality may be adapted to single tasks in a multitasking environment.

The Stretch S6000 family is based on the high performance Xtensa processors originally designed by Tensilica. Designed for high performance embedded applications, the Stretch S6000 includes a rich selection of I/O including gigabit Ethernet, Quad High Speed Data Ports, Dual I2S audio support as well as UARTS and I2C capability. The emlix Linux port includes driver support for all the embedded peripherals as well as an adaptation of the kernel to account for the lack of a discrete memory management unit.

emlix is available for product support and the design and development of enhancements and derivative products.

Using open source software like Linux is one thing. Publishing improvements, ports and new implementations is the next step: Not only does it boost further development of the Linux kernel but also makes software reviewable by the large Linux community. Publishing ports and drivers through the Linux mainline kernel subjects the software to a stringent review process, thus resulting in higher quality, and of course visibility to potential customers that are interested in the respective hardware.

Publishing of the S6000 port on the Linux kernel mailing list by emlix will complete shortly. Thus, starting with version 2.6.30 of the kernel, the S6000 will be supported by the mainline kernel.

Further information:

<http://www.emlix.com>

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About emlix:

emlix develops Embedded Linux systems for controlling and networking devices and facilities. With 30 full-time employees in Göttingen, Berlin and Nuremberg, emlix offers know-how and experience in the fields of board support, seminars, applications and customer-specific solutions. Its embedded Linux systems are integrated in products of innovative companies in bioengineering, medical-, measurement-, information-, safety- and automation-technology. emlix was founded in January of 2000 and is one of the first companies, that has taken the "planning, development and adaptation of open source software into functionally optimized operating system platforms on the basis of Linux" as one of its core competencies.