TECHSOL **AMX RTOS** ON AEROFLEX **CPUS**

Delta, BC – December 9, 2003 – Techsol announces availability of KADAK's AMX RTOS for Aeroflex' ARM-based processors.

Although Techsol is best known as a leader in Linux on ARM technology, they were developers of real-time systems prior to the Linux revolution. When Aeroflex Colorado Springs needed an RTOS ported to their single-chip ARM offering, AMX was a natural choice. Techsol's team has experience with this RTOS dating back to 1985, and AMX for ARM experience from more recent years. In less than a month, Techsol ported AMX 4-THUMB to the Aeroflex AX07CF192 and added support for Ethernet connectivity. The target demo board then communicated with both a Medallion Development Kit and a Windows Lap-top via TCP/IP messaging. It was shown at the Embedded Systems Conference in Boston.

When asked why Techsol prefers AMX over other, sometimes better known RTOS packages, Techsol's CEO Brian Empey stated: *"AMX offers several advantages besides our familiarity with it:*

- *it is **small**, offering all the important stuff for real-time control, but no unnecessary fluff*

- *it is **fast**, much faster than VxWorks or any other POSIX compliant OS*

- *it is **rock-solid**: this is an OS that was bug-free 2 decades ago. There are no surprises, speeding development.*

- *it is **royalty free**, making it a great choice for volume products"*

The Aeroflex AX07CF192 chip offers 192k bytes of on-board FLASH, along with SRAM, 2 UARTS, 6 timers, 5 A/D channels plus more, all powered by a 32-bit ARM-7 core @ 50 MHz in a 100-pin TQFP package. Combined with the AMX RTOS, the result a very high-performance system-on-chip at low cost, ideal for demanding industrial applications.

Additionally, Techsol has also ported AMX to their HY7201 CPU modules, which are powered by the Aeroflex AX07PT7201 CPU, an extremely-integrated 32-bit ARM-720T processor running at 60 MHz.

"Whether your application is in a vehicle, in your hand, or on your desk, we have all the technologies to do the job" says Brian Empey, P.Eng., CEO of Techsol. "In addition, we can design, customize, and manufacture your product to the strictest quality standards. Techsol is one of the few companies who can take your product from concept to production, using open-source tools and applications. Plus, we do it quickly and efficiently with the experience of many industrial, medical, and consumer products behind us."

"Embedded Engineering is the same all over the world. Engineers face the same challenges of too much to do, and not enough time or money to do it with. Techsol's Medallion™ CPU modules address this issue and provide a solution that extends into the production stages of a product, not just the "proof-of-concept" stage like most SBCs. We optimize performance through the tight integration of software and hardware to provide the highest value Linux computing hardware – competing even with custom designs. It's a challenge, but we're providing ROI from 100 units to 100,000 per year."

Techsol's **Medallion™** system is unique in the embedded computer world. Over time, the **Medallion™** Single-board computer product line will encompass dozens of CPUs. However, the pin-out and form-factor will remain the same. There will be one **Medallion™** module that is best matched to your application.

By designing with the **Medallion™** system, you are effectively **out-sourcing** your CPU design and Linux porting **with no up-front NRE fees!** That lets your team concentrate on the hardware and software portions of your product that your customers see. The result is that **you can create a higher-quality product in a fraction of the time (and cost) of designing everything yourself** from scratch! Plus, the **interchangeable modules extend product life-cycle times**.

CONTACT INFO:

Techsol is head-quartered in Delta, British Columbia, where the mighty Fraser River meets the Pacific Ocean. See the website for details www.techsol.ca or call 888 TECHSOL (888.832.4765 or 604.946.8324) for more details.

The AX07CF192 microcontroller is available from **Aeroflex Colorado Springs.** Contact them at (800) 645-8862 or look at their website: http://www.aeroflex.com/arm7

The AMX RTOS is available from **KADAK Products Ltd.** in Vancouver, British Columbia. Contact KADAK at (604) 734-2796 or look at their website: http://www.kadak.com/