TECHSOL: NEW PRODUCT

Delta, BC – November 8, 2004 – Techsol is proud to announce an **Ultra-low-power Industrial Computer**.

The Gateway 38-000010-210 is a compact industrial computer designed for various **communications concentrators, translators, data-loggers, and other applications**. It can also be used for control applications.

This product integrates a variety of communications interfaces with interchangeable 32-bit **Medallion™** RISC processor modules running the Linux operating system (OS). In addition to FLASH with the Linux OS, **Disk-On-Chip**, and 32-megs SDRAM, it features:

- 3 x **RS-232** via D9 connectors. One has an option to jumper power to pin #9
- 2 x **Ethernet** (10-BaseT) on RJ-45 connectors plus indicator LEDs
- 2 x **USB 1.1 Host** ports supporting high-speed transfers
- 1 x Centronics **Parallel port** for digital I/O (or logging to a printer)
- 1 x **RS-485** on an RJ-12 connector with fused power options (5v or V-in)
- 1 x **USB Device** port supporting Linux Gadget and Windows RNDIS protocols
- 1 x user push-button under SW control
- 1 x **VGA/SVGA** on a DE-15 connector for displaying status/information

By adding multiple high-efficiency switching power supplies and packaging it all in a rugged, all-aluminum enclosure, the result is a product that you can deploy in the communications room, on the production floor, or in fleet vehicles (power input is 8 to 30 VDC making it vehicle friendly).

This device is ideally suited for integrating a variety of legacy devices and connecting them to the Internet for purposes of remote data access, monitoring and control. Also supported are **BlueTooth and 802.11b** via USB dongles, plus BusyBox utilities including a simple browser in addition to the **Apache Web Browser** and PHP.

Power consumption is **< 2 watts at full operation**, meaning no fans, vents or special consideration in where it is deployed. Additional power management features let the application programmer control CPU speed; enable a low-power idle mode; put the Ethernet controllers into low-power mode; disable the RS-232 converters; disable the RS-485 transceiver; and even turn off all SW-controlled LEDs with a single GPIO bit. It can **run from a small solar panel**!

Techsol is seeking distributors and integrators. We will change the color, labeling, ports to meet your needs. The device as shown at http://www.techsol.ca/html/techsol_products.html with 32 megs DiskOnChip is ~US$495 at Q=1k units.

Techsol's **Medallion™** system is unique in the embedded computer world. Over time, the **Medallion™** Single-board computer product line will encompass many 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**.

See the website for details www.techsol.ca or call 888 TECHSOL (888.832.4765 or 604.946.8324) for more details.

Techsol is head-British Columbia, where meets the Pacific quartered in Delta, the mighty Fraser River Ocean.