

Cellular Specialties

Universal Socket Increases Solution Flexibility

Cellular Specialties, Inc. (CSI) is a national leader in the design and implementation of innovative in-building wireless products, services, and solutions that are used to extend wireless coverage into facilities ranging from small homes to major airports and campuses. As the need for these kinds of products accelerates, service providers have recognized the requirement to remotely monitor and control. Therefore, CSI developed the Web Monitor, which incorporates the Multi-Tech SocketModem® embedded module.

The Web Monitor addresses the need to remotely sense and control various active components integrated into the wireless in-building solution using Internet transport. Even passive components must be monitored at times (e.g. door alarms). The SocketModem embedded module serves to provide a communications pipe through the cellular operators network to a hub that further communicates to target devices. Each modem is tightly integrated onto the Web Monitor motherboard to provide a simple, adaptable solution. Target device interface protocols are communicated over LAN structures and via simple physical interfaces (e.g. contact activations, digital I/O).

While a wired solution is offered with the Multi-Tech 56K SocketModem, wireless modems best fit the in-building industry's needs. The Web Monitor utilizes the SocketModem's universal socket design to incorporate interchangeable modules to provide 56K dial-up, EGDE, GPRS or CDMA wireless connectivity depending on the customer requirement.

"Multi-Tech's universal socket concept is just what the doctor ordered," explains Paul Cuda, Director of New Technology Planning and Development at CSI. "The common footprint allows any modem to be adapted into a single motherboard design...reducing costs while increasing overall solution flexibility."

"Additionally, technical support is huge when considering the overall development and integration process," said Cuda. "Multi-Tech did a great job meeting their commitments to CSI."

Universal Socket Connectivity

- Flexible comm-port architecture
- Interchangeable socket modules
- PSTN, EDGE, GPRS, CDMA connectivity
- Cost-effective system design
- Easy migration to future designs

In 2005, **Cellular Specialties, Inc.** ranked as the fastest growing privately held company in New

Hampshire. CSI builds products that enhance in-building wireless services.

Additionally, CSI designs the system infrastructure and installs wireless systems throughout the

Americas. Wireless service providers and enterprise customers alike specify CSI's equipment to meet their service objectives throughout public venues and private structures.



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