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## **PIGEON POINT SYSTEMS SHIPS INDUSTRY'S FIRST AdvancedTCA™ SHELF MANAGEMENT COMPONENTS**

**SCOTTS VALLEY, CA USA – June 2003** – Pigeon Point Systems has announced immediate availability of its IPM Sentry™ shelf management components and Starter Kits for AdvancedTCA™. IPM Sentry is a family of hardware and software products that enable cost-effective, interoperable management of open modular platforms based on the Intelligent Platform Management Interface (IPMI). IPMI is the chosen foundation for platform management in PCI Industrial Computer Manufacturers Group (PICMG®—developer of AdvancedTCA) specifications. Using IPM Sentry components, developers of AdvancedTCA products can quickly and cost-effectively incorporate compliant, competitive and interoperability tested management subsystems. The IPM Sentry Shelf and Board Management Starter Kits provide everything needed to build such subsystems at the AdvancedTCA shelf or board levels, respectively.

“Our IPM Sentry management components—the industry’s first for AdvancedTCA—are perfect for the growing group of companies that are already building products to this specification. One of AdvancedTCA’s strengths is the rich and mandatory management framework it defines. With our IPM Sentry products, these companies can focus on their unique added values, rather than building AdvancedTCA management compliance from the ground up,” said Mark Overgaard, President of Pigeon Point Systems. “We aim to be the best source for these components and we are building a critical mass of vendors and suppliers who support

our approach. Companies who have already licensed IPM Sentry components include APW Electronic Solutions, Elma Electronic Inc., Carlo Gavazzi Mupac Electronic Packaging, Diversified Technologies, Motorola Computer Group, NMS Communications and Pentair/Schroff.”

The now available IPM Sentry components and Starter Kits include:

- IPM Sentry Board Manager and IPM Sentry BMR-100 Board Management Reference Design: The Board Manager software executes on BMR-100-based hardware (incorporated directly as part of the design of a customer board) to implement the management portion of AdvancedTCA™ Field Replaceable Units (FRUs), ranging from full-sized 8U x 280mm boards to auxiliary FRUs such as fan trays.
- IPM Sentry Shelf Manager and IPM Sentry ShMM-300: The Shelf Manager software executes on the ShMM-300 hardware, a small (67.60mm x 50.80mm) Shelf Management Mezzanine (ShMM). These components can be integrated with a shelf-specific management board to quickly enable a highly manageable and specification-compliant shelf, including sophisticated support for dual redundant Shelf Managers (if desired). The IPM Sentry Shelf Manager supports a rich set of shelf-external interfaces: Remote Management Control Protocol (RMCP—as required by PICMG 3.0), Simple Network Management Protocol (SNMP), command line and web-based access.
- IPM Sentry Board Management Starter Kit: This kit includes schematics and two bench top prototypes of the BMR-100 design, full source code of the IPM Sentry Board Manager software, plus an IPM Sentry Shelf Manager running on a ShMM-300 installed on a BTC-100 Bench Top Carrier.
- IPM Sentry Shelf Management Starter Kit: This kit includes the Board Management Starter Kit and adds schematics for the BTC-100 as a reference design for a custom ShMM carrier, full source code for the IPM Sentry Shelf Manager and a second bench top Shelf Manager configuration to support dual redundant operation.

The bench top hardware in the IPM Sentry Starter Kits allows immediate hands-on interaction with compliant AdvancedTCA shelf management functionality, even before custom

hardware exists. When that hardware is available, the bench top hardware can be used to exercise it. In addition to product source code, both Starter Kits include Monterey Linux™ ([www.montereylinux.com](http://www.montereylinux.com)) —complete with a full Linux-hosted cross development environment for working with that source code and the ARM Injector™, a JTAG-based flash programming and debug connection to the management processor.

“Pigeon Point Systems is a recognized expert in the management aspects of AdvancedTCA. The IPM Sentry Starter Kits are a tremendous boon to AdvancedTCA product developers, who can now have immediate hands-on access to fully compliant shelf and board level management subsystems without building any new hardware and then incorporate compliant, interoperability tested IPM Sentry components directly into their products,” observed Joe Pavlat, President of PICMG. “Almost half of the fifteen participating companies in the just-completed AdvancedTCA interoperability workshop were using IPM Sentry management components. The IPM Sentry components have already significantly accelerated the development of the AdvancedTCA ecosystem and I expect many more developers to conclude that off-the-shelf IPM Sentry components are the best solution for their ATCA management needs.”

“The development of an AdvancedTCA shelf or board management subsystem is a serious engineering effort, even for companies with other products that comply with the CompactPCI® System Management specification, PICMG 2.9,” noted Jeff Munch, Chief Technology Officer of ADLink Technologies and Chairman of the PICMG 3.0 subcommittee. “Pigeon Point Systems’ IPM Sentry Starter Kits offer AdvancedTCA developers a powerful combination: 1) off-the-shelf components ready for immediate use in the lab or in products, and 2) full support for customization at either the hardware or software levels.”

The IPM Sentry Shelf Manager is designed to support CompactPCI and CompactTCA™ chassis/shelves as well as AdvancedTCA shelves. PPS was one of the six sponsor companies for the CompactTCA initiative just launched by PICMG, in which key management features already defined in CompactPCI specifications become mandatory. The IPM Sentry Shelf Manager will enable unified management of both AdvancedTCA and CompactTCA shelves/chassis, providing compatible shelf-external interfaces for both architectures.

For more detail on the IPM Sentry products (including a more technical overview), visit [www.pigeonpoint.com](http://www.pigeonpoint.com)

## **About Pigeon Point Systems**

Pigeon Point Systems (PPS) provides products and services that enable cost-effective management of standards-based platforms—including AdvancedTCA and CompactPCI—and is a leader in the definition of those platforms. With its IPM Sentry shelf management products, PPS offers the first shelf management building blocks that support AdvancedTCA.

PPS, an executive member of PICMG, is a leader in the AdvancedTCA, AdvancedMC and CompactTCA subcommittees and is active in many other technical subcommittees. For more information about PPS, visit [www.pigeonpoint.com](http://www.pigeonpoint.com) or call 831-438-1565.

Editor's Note: *Nomenclature Update* — As of April, 2006, PPS is replacing “IPM Sentry™” as its management component product family name by “Pigeon Point™”, a trademark of Pigeon Point Systems. For instance, new references to the ShMM-300 addressed in this news release should be to the Pigeon Point™ ShMM-300.

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