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PIGEON POINT SYSTEMS™ ANNOUNCES SECOND GENERATION OF INDUSTRY'S FIRST OFF-THE-SHELF BOARD MANAGEMENT SOLUTION FOR AdvancedTCA®

SCOTTS VALLEY, CA USA – January 2004 – Pigeon Point Systems announced today a second generation hardware/software reference design for the required management subsystem—"IPM Controller" in AdvancedTCA terms—on boards, fan trays and other intelligent Field Replaceable Units (FRUs). The IPM Sentry Board Management Reference design—AVR Edition (BMR-AVR)—uses a pair of Atmel 8-bit RISC AVR microcontrollers with built-in flash, SRAM and a rich set of I/O interfaces, yielding a highly compact and cost-effective IPM Controller implementation. 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). Using IPM Sentry components, developers of AdvancedTCA and CompactPCI products can quickly and cost-effectively incorporate compliant, competitive and interoperability tested management subsystems.

"Our first IPM Sentry Board Management Reference design—the C5470 Edition (BMR-C5470)—emphasized commonality with the hardware and software of our ShMM-300 shelf management mezzanine for quick time to market. Indeed, there are already at least fifteen distinct ATCA boards using the IPM Sentry BMR-C5470 design in various stages of development by our partner companies, who have welcomed getting a well-tested IPM Controller without having to develop it from scratch. The new AVR Edition adds to those off-the-

shelf benefits with an IPM Controller that can be more than four times smaller in footprint and less than half the bill of material cost,” said Mark Overgaard, President of Pigeon Point Systems. “Furthermore, the AVR Edition can be configured for use on fan trays or other supplementary FRUs, where cost and footprint considerations may be even more critical than on full-size ATCA boards. This new board management solution further confirms that we are the best source for off-the-shelf platform management components. Companies who have already licensed our board management solution include APW Electronic Solutions, Diversified Technology, Interphase, Motorola Computer Group, NMS Communications, Pentair/Schroff, Portwell and Siemens Mobile Communications SpA.”

Further accelerating time to market, the IPM Sentry Board Management Starter Kit provides a bench top shelf manager board and two bench top IPM Controller boards (each emulating the management aspects of an ATCA board or other FRU in a shelf). This configuration allows immediate hands-on interaction with compliant shelf management functionality, even before custom hardware exists. When that custom hardware is available, the bench top hardware can be used as a reference during the integration process. The Starter Kit also includes a comprehensive set of technical specifications, schematics for the Board Management Reference design and source code for the corresponding Board Manager software. As part of the Starter Kit package, Pigeon Point Systems provides a thorough technical review of customer-created IPM Controller designs based on those schematics.

The IPM Sentry BMR-AVR design will be available in Q1, 2004. Companies needing to get started immediately can use the BMR-C5470 Edition initially and will get the BMR-AVR Edition when available.

“Pigeon Point Systems is a recognized expert in the platform management aspects of PICMG specifications. Their IPM Sentry Board Management Reference designs, complete with corresponding software, demonstrate this expertise and their commitment to easy-to-use, off-the-shelf, management subsystems,” said Jeff Munch, Chief Technology Officer of ADLink Technologies and Chairman of the PICMG 3.0 subcommittee. “AdvancedTCA needs a rapidly ramping diversity of off-the-shelf board products, all fully interoperable with the mandatory management framework. The compact and cost-effective IPM Sentry BMR-AVR design and the comprehensive Starter Kit in which it is delivered will be a key factor in realizing that goal.”

For more detail on the IPM Sentry products, visit 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, CompactTCA 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 compatibly support AdvancedTCA and CompactPCI, with similar support for CompactTCA to come. The IPM Sentry board management products—also the first off-the-shelf offerings in the industry—enable compact, cost-effective management subsystems for boards and other field replaceable units (FRUs).

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 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 BMR-AVR addressed in this news release should be to the Pigeon Point™ BMR-AVR.

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