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Hot Swap Controller Kit

Client

Pigeon Point Systems (“PPS”) is a privately held software and hardware development company founded in 1997. It focuses on products and services supporting the adoption of open modular platforms to replace proprietary architectures, with a primary focus on the telecommunications market and PICMG standards. Pigeon Point’s product portfolio includes world-class management components for modular platforms based on the AdvancedTCA® (ATCA), AdvancedMC™, and MicroTCA™ architectures, plus consulting and design services. Pigeon Point participates actively in defining the open modular architectures. An executive member of PICMG, Pigeon Point is a leader in the ATCA, AdvancedMC and MicroTCA subcommittees and is active in many other technical subcommittees. Pigeon Point is also a contributing member of the Service Availability™ Forum and active in its HPI Working Group. The company serves more than 140 customers, including 6 of the top 10 global communications OEMs. The list of its customers is headed by such industry authorities as Motorola Computer Group, Intel Corporation, Force Computers, Microsoft Corporation, Siemens Mobile, Texas Instruments, along with many others. PPS is headquartered among the redwoods in Scotts Valley, California.

In 2008 Pigeon point Systems was acquired by Actel Corporation and became a wholly owned subsidiary of Actel. Earlier this year, Actel and Pigeon Point announced a partnership to develop and market solutions based on the Actel Fusion® mixed-signal FPGAs to speed the design of AdvancedTCA blade and AdvancedMC carrier blade management controllers. By acquiring the leading provider of TCA management components, Actel now offers

a comprehensive solution for proprietary and standards-based system management implementations in the industrial, military, telecommunications, and medical markets.

Solution

Hot Swap Controller Kit (HSCK) allows controlling high-availability features of the CPX8216 series of CompactPCI chassis produced by Motorola Computer Group. The CPX8216 chassis contain the Hot Swap Controller, which is capable of controlling access to CompactPCI buses and operation of power supplies, alarms, and information LEDs. HSCK provides special APIs and utilities allowing the user or user application to benefit from all the advanced features of the CPX8216 chassis. HSCK works in cooperation with Hot Swap Kit (HSK) when it is present, but can work as a standalone package as well.

Auriga’s Contribution

Full life-cycle development and maintenance.

Implementation

Windows NT 4.0, C.