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Elma's Newest SystemPak Makes ATCA Ready for Tough Field Command and Control Deployment

Rugged construction enables use in harsh, mobile command center environments



FREMONT, Calif., June 2011 – Elma Electronic Inc., a leading supplier of embedded products and system solutions built on open standards-based platforms like VME, VPX, CompactPCI and ATCA, now offers the [ATCA7365 SystemPak](#), a high performance, multi-processing system platform designed to address compute-intensive requirements in command and control data center applications.

The system combines the high performance multiprocessing of an integrated ATCA platform with a ruggedized design capable of withstanding the high shock and vibration found in rugged mobile transport applications. It has been successfully tested to withstand a 36" drop shock test per MIL-STD-810G.

Featuring three ATCA processor blades, each with two six-core Intel processors as standard, the ATCA7365 SystemPak offers high processing power that makes it an ideal solution for use in rugged 'comms on the move' (COTM) applications such as data center virtualization and network-centric environments.

Additional attributes of the fully-integrated SystemPak include 10 Gigabit Ethernet switching for high speed data links, 96 GB of DDR memory per blade and 1.2 TB of storage. It is delivered tested and verified with Linux, and the processors are VMware certified.

The new ATCA7365 platform has been successfully tested to meet environmental requirements for operation in a command and control center. It is mounted in a lightweight transit case, can withstand a 36" drop test on two axes, and can endure random vibration up to 25 Gs per MIL-STD-810G. Operating temperature is 3°C to 37°C in 5% to 95% non-condensing humidity.

In addition to the three processor blades, the standard configuration includes an Elma Type 11A, 6U six-slot ATCA chassis, a fully replicated mesh backplane and a single system management card with a provision for dual management as well as redundant cooling and power supplies. Four 300 GB SAS (serial-attached SCSI) drives and a 10 Gigabit Ethernet fabric switch blade with RTM (real-time monitoring) are also part of the ready-to-run unit. Optional customization of the new ATCA7365 SystemPak includes 2U to 6U horizontal configurations and other chassis designs to meet MIL-STD environmental requirements.

Blades are available with a wide range of Intel processor options and offer AMC sites for system I/O and storage expansion. The SystemPak can accommodate solid state and rotating drives as well as SATA drives in multi-TB configurations to fit most application requirements.

For more information, please visit [Elma's Embedded Computing Products](#) site, contact sales at sales@elmasystems.com, or call (510) 656-3400.

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