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Elma Announces 2nd Gen Carrier-Grade AdvancedTCA Chassis

FREMONT, California, Apr 15, 2007 – Elma Electronic Inc., a global manufacturer of electronic packaging products, announces a new 2nd generation AdvancedTCA system platform for carrier-grade applications. The chassis is designed for full NEBS compliance and has several design features.

To meet the cooling demands of ATCA applications of 200W/slot and up to 250W/slots, Elma has optimized the cooling of its new 13Uchassis. The unit has gone through advanced thermal simulation and testing and meets the requirement of at least 20-30% airflow in each of the 4 regions of the ATCA blade. This ensures even airflow distribution and helps to prevent hot spots. The chassis is cooled via three individually removable fan trays. Each tray has two 250 to 420 CFM (cubic feet per minute) airflow fans with PWM (pulse width modulation) control. A honeycomb air filter below the fans maximizes air intake while a NEBS-compliant air filter above the fans ensures even air distribution. The fans are also positioned to provide up to 140 CFM airflow over the RTMs (rear transition modules).

Other features of the Carrier-grade ATCA Chassis include rear I2C-enabled dual 50A power entry modules per segment (A and B), and optional PEMs with an integration circuit breaker. The chassis is RoHS compliant with an attractive black finish over the steel construction. All FRU (field replaceable units) such as the fan trays, PEMS, etc, come with indicator LEDs. The unit also features front and rear cable management brackets.

The Carrier-grade ATCA Chassis has a 14-slot Dual Star backplane (Mesh versions available upon request). The backplane has connectors for full pluggability and redundancy. The slot 0 of the backplane allows redundant shelf managers to be plugged in, saving space. The backplane has been optimized for performance via signal integrity studies.

Elma also offers ATCA system platforms in 2U, 4U, and 5U heights standard and in AC or DC versions. The company also offers backplanes, handles, panels, extender cards, and more in the AdvancedTCA format.

About Elma Electronic

Elma Electronic Inc. is a leading manufacturer and supplier of enclosures, backplanes, cabinets, cases, and "ready-to-run" packaging for CPCI, Rugged COTS, VME/64x, VXS, VPX, ATCA, MTCA, and custom bus structures. Elma's component product line offers a wide selection of top quality switches knobs and LED arrays. The company has been a worldwide supplier of dependable, high performance products for over 35 years. Elma operates three facilities in the continental United States plus has locations in Switzerland, Germany, France, the United Kingdom and Israel.

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