

**For Immediate Release**



## **Mistral announces new ruggedized MicroTCA Chassis from Elma**

**Bangalore, October 30, 2008** – Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, today announced the availability of Blu!box, a ruggedized ATR MicroTCA chassis from Elma Electronic Inc., a global manufacturer of electronic packaging products.

The new MicroTCA chassis is an ARINC 404A Full-Size ATR Long Enclosure, used in commercial and military aviation. The 19" subrack chassis is 5U in height with a depth of 200 mm. Two MicroTCA Carrier Hubs (MCH), two power modules for – 48 V / – 60 V and two cooling units enable the tested system platform to be fully redundant. The cooling units feature 5 high performance fans and have PWM (Pulse Width Modulation) control.

The system can hold a maximum of 12 single module AMCs - 8 full size and 4 compact size modules. All components are hot-swappable and Intelligent Platform Management Interface (IPMI) controlled.

The backplane has a 20 layer structure that guarantees optimum signal integrity and supports all FRU (Field Replaceable Unit) functions. It holds six AMCs, one MCH and one power module. Dual Star technology with high-speed connectors specially developed for high-speed data transfer ensures high-speed routing.

Blu!box meets the MIL-STD-810E shock/vibration requirements and MIL-STD-461 for electromagnetic interference. The Chassis has also undergone the IEC 61587-1 and VITA 47 standards vibration and shock tests in six axes. Shock absorbers/dampers can be added for extra protection. Thermal management is also possible to achieve either convection or conduction-cooling.

### **About Elma Electronic**

Elma Electronic Inc. is a leading manufacturer and supplier of enclosures, backplanes, cabinets, cases, and "ready-to-run" packaging for ATCA, CPCI, MicroTCA, Rugged COTS, VME/64x, VXS, VPX, and custom bus structures. Elma operates three facilities in the continental United States plus has locations in Switzerland, Germany, France, the United Kingdom and Israel.

For more information, please visit: <http://www.elma.com/>

## **About Mistral Solutions**

Established in 1997, Mistral is a premier product realization company providing end-to-end services for product design and development in the embedded space. Headquartered in Bangalore with regional offices in Delhi and Hyderabad, Mistral offers Systems Engineering and Value added Services that help customers build cost-effective, customized computing systems that excel in quality and accelerate time-to-market.

Mistral has forged successful partnerships with leading providers of embedded solutions, which has enabled us to provide our clients with the finest technology solutions based on the world's best platforms. Mistral's partners include among others Wind River Systems and Curtiss-Wright Controls (CWC) Embedded Computing Organization making available RTOS, IDE tools and commercial & rugged grade COTS computing solutions for commercial, military, aerospace, and avionics markets.

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