For Immediate Release

Mistral Introduces IRIG106 Compliant PCM Telemetry Encoder

High performance, high capability data acquisition solution for airborne applications

Bangalore, August 7, 2008 – In keeping with its endeavor to develop effective and efficient systems that meet the demanding requirements of the aerospace and defense applications, Mistral Solutions, a leading product realization company specializing in real-time embedded solutions, today announced the availability of its PCM Telemetry Encoder.

Mistral's PCM Telemetry Encoder is a robust and fully configurable On-Board system designed for analyzing flight parameters in airborne applications.

Features of Mistral's PCM Telemetry Encoder

Telemetry is a highly automated remote sensing technique; using which parameters such as velocity, altitude, temperature etc. are measured at remote locations, and the results transmitted to a distant station where they are displayed, recorded, and analyzed. The transmission media may be air, space, copper wire or fiber cable, depending on the application.

Pulse Code Modulation (PCM) Telemetry is a way of encoding data in a serial digital format, and transmitting it on a carrier to another location for decoding and analysis. PCM systems are preferred over analog systems as they are less susceptible to noise and due to the relative ease of transmit, record, and analyze digital data.

The PCM Telemetry Encoder from Mistral is compact rugged design that withstands extreme conditions and consistently delivers accurate data.

Product Specifications

- AMCC PPC405 based system
- Comprises of Data Acquisition, Conversion, Frame processing FPGA and PCM output section
- Supports multiplexed sampling of 64 Analog channels
- Conforms to IRIG 106 Standard for PCM Frame Encoding
- MIL-STD-1553 Monitor/Remote Terminal with a dual-redundant bus interface to monitor and capture On-Board 1553 bus transactions
- MIL Grade Aluminum enclosure of 140mm x 110mm x 115 mm
- Operating temperature range: -40°C to +70°C
- Targeted at remote measurement and control for airborne applications.

Mistral's Solutions for Defense and Aerospace

Backed by several years of experience in supporting the technology needs of the aerospace and defense industries, Mistral offers high-performance, high-capability data acquisition and signal processing solutions that cater to the exacting requirements of surveillance, communication and radar applications.

Mistral's expertise includes designing, building and deploying customized solutions for defense electronics applications by using integrating multi-vendor solutions with custom software and hardware.

About Mistral

Mistral is an ISO 9001:2000 certified and CMMi Level 3 appraised premier product realization Company providing end-to-end services for product design and development in the embedded space. Mistral offers expert design and development services covering hardware and software, customizable product designs and IP's, System Integration and COTS Solutions that improve quality and accelerate time-to-market for a broad range of embedded systems. 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.

Contact Details

Akhila D S
Marketing Manager
Ph: +91.80.2535 6400
E-mail: akhila@mistralsolutions.com