



MILITARY AND AEROSPACE COM EXPRESS SOLUTIONS

RUGGEDIZED QUALIFIED FIELDED



Procelerant CEG5XT



Procelerant CEZ5XT



Procelerant CEZ5XL

RADISYS COM EXPRESS: IDEAL FOR HARSH ENVIRONMENTS

- Technology leadership in modular, upgradeable form factor
- Designed and tested for military and aerospace applications
- Proven field deployments

The rugged requirements of military and aerospace applications have often driven system engineers to use expensive, inflexible, proprietary components in order to keep up with the current technologies. Today, ruggedized COM Express™ modules bring the latest technology in the smallest size to COTS based applications such as unmanned vehicles, wearable units, and embedded devices.

TECHNOLOGY LEADERSHIP

➤ RadiSys is a leading provider of advanced solutions built with the small-sized, modular, and highly reliable COM Express architecture. The COM Express form factor is a tightly defined, industry-standard processor module that enables user customization via a carrier board. Technology insertions and upgradability are designed into the COM Express standard enabling systems to incorporate next-generation technology in a decreased development and qualification cycle.

RadiSys leads by incorporating the latest technology and innovative new features onto COM Express modules. As a premier member of the Intel Embedded Alliance, RadiSys and Intel® work closely to deliver the optimal combination of performance/watt/space using cutting edge Intel silicon technologies. COM Express architecture combined with Intel processors enable customers to keep up with the technology curve while maintaining their software code from generation to generation, reducing design cycle time and enabling quickly deployed applications. The RadiSys time-to-market focus combined with the drive to implement leading edge technology empowers customers to build innovative, high-performance, network centric solutions for tomorrow's mil/aero markets.

DESIGNED AND TESTED FOR MILITARY AND AEROSPACE APPLICATIONS

RadiSys COM Express solutions are rigorously designed and tested to meet the harsh environments that military and aerospace applications require. In the design phase, RadiSys Extended Temp COM Express products use Highly Accelerated Life Test (HALT) to identify and remove design related weaknesses stemming from temperature, shock and vibration and thermal stresses— providing significant operating margins for harsh environments. In addition, the Highly Accelerated Stress Screen (HASS) is used to consistently monitor the ruggedized products to insure quality and reliability. RadiSys also validates Shock and Vibration performance to ruggedized levels. This includes fatigue testing (random vibration) and resonance testing (swept sine vibration) as well as operating and non-operating shock susceptibility. RadiSys COM Express delivers extreme capability and sustained reliability that can be counted on—ruggedized products for extreme environments.

PROVEN FIELD DEPLOYMENTS

RadiSys COM Express solutions have been successfully proven in field deployments in many different ruggedized environments such as rough land terrains, mobile shelters and airplanes. RadiSys COM Express modules are installed in applications of many shapes and sizes, including command and control, manned and unmanned vehicle or robot systems. We invite you to leverage RadiSys knowledge and its market leadership to design your next application based on open standards based COM Express products. ///

COM EXPRESS FOR MOBILE APPLICATIONS

- Ruggedized multi-purpose portable/in-vehicle computers
- Unmanned Vehicles
- Aerial, Underwater, Ground
- Targeted at surveillance, reconnaissance and intelligence applications



RadiSys is a Premier Member of the Intel Embedded Alliance, a community of embedded developers and solution providers.



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