



Military and Aerospace

Capabilities Overview



Rugged/Mil OEM Systems and Enclosures

As a pioneer for advancements in new technologies and aeronautics, JMR/ICS continuously develops complex solutions for our customers' global defense infrastructure. We design military network and embedded systems solutions and build high performance information systems that secure and transmit highly sensitive data around the world.

More than Just Rugged Chassis Design

JMR/ICS has manufactured thousands of custom, semi-custom and COTS Mil & Aero, power systems and data duplicator products in support of worldwide government defense and research programs over the past 35+ years.

In addition to chassis design capabilities, our extensive data & video storage, NAS file servers and disk duplication devices and computer forensic systems effectively manage sensitive data quickly and reliably for decades.

A Pedigree You Can Rely On

Our long history working with aerospace engineers, defense contractors and military personnel in the U.S. and NATO defense industries is testament to our continued rapid development of new commercial and military technologies.

We have worked with many defense organizations including Boeing, DARPA, General Dynamics, Lockheed Martin, NASA, Northrop Grumman, Raytheon, Lawrence Livermore, Los Alamos and Sandia National Labs as well as US and NATO armed services, including Army, Air Force, and Naval armed forces from around the world.

JMR/ICS Expertise and Capabilities:

- **Qualified for Air, Land or Sea Applications**
- **Rugged Air- and Conduction-cooled Systems & Enclosures**
- **Incorporate Latest High-speed Serial or Parallel Bus Profiles & Architectures**
- **Single or Redundant Modular Power Supplies with or without JMR's Primary Power-assist™ Battery Backup**
 - Wide range of input voltages from 115VAC 50-400 Hz single- or three-phase, 28 or 270 VDC, and more...
- **Complex Wire Harness & Cable Assemblies or Modular Rigid/Flex Interconnects**
 - Copper, fiber optic or hybrid interconnect assemblies
 - MIL-DTL-38999 or PC industry-standard connectors as needed
- **Designed and Manufactured with Pride in the USA**



Rugged/Mil Embedded Airborne Secure Data Storage Systems



Proven Capabilities Across Multiple Platforms

System platforms we've developed include manned and unmanned airborne vehicles and above and below water shipborne systems, ground-fixed, ground mobile, permanent and temporary emplacements operating and surviving reliably in the harshest military environments.

- Rugged and Full Mil Solutions
- Leading-edge Technical Excellence
- Cost-effective Customization
- SWaP-optimized 3U, 6U, 9U and custom small form factors
- Subsystem Integration
- Documented ISO-9001 Quality system
- World-class Tech Support & Customer Service

Concurrent engineering combined with our Rapid Build Team approach ensures quick-turn manufacturing that provides high quality production units in record time, in parallel with:

- Program Planning
- Electrical, Mechanical & Test Engineering
- Electrical & Mechanical Assembly
- Production Test
- Manufacturing Engineering & Document Control
- Quality Assurance

Quality Assured, Reliability Guaranteed

Through our customer-audited and verified quality system, we maintain a high degree of control over the design and manufacturing cycles. Strict procedures governing all activities—from contract review and the design process through the, purchasing, production, and finally, delivery. Our 22,000 sq. ft Chatsworth, CA facility is ISO 9001 certified.

Environmental Challenges Handled

JMR/ICS mil & aero products are available in multiple ruggedization levels as well as in air-cooled or conduction-cooled mechanical/ thermal formats. Our commercial off-the-shelf (COTS) chassis designs operate in the full Mil temperature range as well as in high shock and vibration environments, at altitudes up to 70,000 feet and in relative humidity up to 100%.

Let us show you how to leverage JMR's defense and aerospace products, capabilities and support services to bring you next M&A program in on-time and on-budget with a heritage born from the highest quality and reliability available in the industry today.



Disk Drive Duplicators for Embedded Rugged/Mil Systems



Call 818-993-4801 or email: ussales@jmr.com

For a quote today!



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