



GROUND FORCE SOLUTIONS

Rugged Computing for Ground-Based Applications by Core Systems

Rugged Computing Solutions for Ground Forces

Modern Computing for the Modern Soldier

Ground forces require rugged computing systems that operate reliably in the most challenging conditions. Core Systems provides durable, mission-ready solutions designed to withstand harsh environments, including shock, vibration, dust, and extreme temperatures, ensuring seamless performance for soldiers on the move.

Key Products for Ground Force Applications

Application-Specific Designs

Rugged Rackmount Servers & Portable Computers

- **Vibration-Resistant Build:** Withstands movement and rough terrain.
- **Hot-Swappable Components:** Ensures quick maintenance during missions.
- **Customizable Options:** Integrates with existing command systems.

Rugged Displays and Laptops

- **Military-Grade Durability:** Resistant to dust, water, and impact.
- **Long Battery Life:** Supports continuous operations in the field.
- **Secure Communication:** Features encrypted data transmission.

Deployable Edge Systems

- **Compact & Portable:** Ideal for field command centers.
- **Real-Time Data Analytics:** Supports rapid decision-making.
- **Thermal Control Design:** Operates reliably in extreme climates.



Why Core Systems?

Find Your Solution for Ground-Based Applications

Core Systems delivers high-performance, customizable solutions designed to meet the rigorous demands of ground-based applications. With proven reliability trusted by top aerospace organizations, our products support mission-critical tasks with unwavering precision. Our end-to-end support ensures that from initial design to final integration, your technology performs flawlessly at every stage.

- **Field-Proven Durability:** Trusted by military forces worldwide.
- **Integrated Systems:** Tailored to meet the needs of modern ground warfare.
- **Comprehensive Support:** From design to deployment and maintenance.

Key Features

We Provide Modern Solutions You Can Trust



Shock & Vibration

Systems designed for rugged vehicles and mobile units, ensuring continued operation in tough terrains.



SWaP-Optimized

Our solutions minimize size, weight, and power consumption while maximizing capability and performance, perfect for UAVs and manned aircraft.



All-Terrain Mobility

We provide portable computing solutions that can be easily deployed in field operations, making them ideal for tactical ground missions.



Energy Efficiency

Our systems are optimized for low-power consumption to extend operational life in mobile and off-grid deployments.

Applications & Solutions

Let Us Design a Solution That Fits Your Application



Avionics Systems

Designed for navigation, communication, and mission planning, our systems enable accurate flight operations and data integration.



Airborne Surveillance

Crystal-clear displays for enhanced situational awareness, ideal for pilot displays, tactical data link systems, and flight management systems.



Mission Planning

Our systems can be designed to work with ground sensors and drones for real-time monitoring of operational areas.



Logistics

Real-time logistics and supply chain monitoring systems to ensure resources and equipment arrive where and when they're needed.

Find Your Solution Today

Start Your Project With Core Systems

Core Systems is a rugged computing company that provides a variety of technology solutions for military and industrial applications. We design and build servers, displays, mission computers and fully integrated cabinet solutions out of our 85,000 sq. ft. facility located in San Diego, California.

Core Systems designs and manufactures best-in-class industrial and military computing systems based on our customer's specifications. We offer ground-up solutions and with our on-site testing and fabrication centers, the entire process is expedited from conception to assembly.

Speak to a representative today by calling **858-683-1483**

HOURS OF OPERATION

Monday - Friday 8am - 8pm PST

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