

Excellence in High-Stakes Communication

The Riot High-Performance Communication Server (HPCS) stands at the forefront of advanced communication in demanding and rough environments. It's designed for applications within military IT infrastructure. The Riot HPCS differentiates itself in the market with its superior processing power and durability, essential for high-stakes settings within defence.



Product Overview

The Riot High-Performance Communication Server (HPCS) distinguishes itself through a perfect blend of cutting-edge performance and resilient durability, setting a new standard for defence IT infrastructure. Its design prioritizes not just the power to perform but also the strength to endure, making it an essential tool for demanding environments. Key highlights of the Riot HPCS include:

Processing Power

At its core, the Riot HPCS leverages a Xeon Gold CPU, renowned for its robust performance and efficiency. This powerful processor is complemented by an advanced Nvidia GPU, providing unparalleled computational capabilities essential for complex tasks and applications.

Connectivity

Understanding the necessity for seamless integration into diverse IT networks, the Riot HPCS offers extensive connectivity options. With 4 x 40 GbE and 8 x 10 GbE Network Interface Cards (NICs), it ensures flexible and high-speed network connections, adaptable to a wide range of operational needs.

Durability Standards

Built to withstand the rigors of extreme operational conditions, the Riot HPCS meets the stringent MIL-STD-1275 & MIL-STD-810 standards. This certification assures users of its ability to operate in high and low temperatures, resist shocks and vibrations, and maintain reliability across challenging environments.

Combining state-of-the-art technology with a commitment to reliability, the Riot HPCS emerges as a critical component in modern defence IT solutions. Its specifications not only demonstrate its superior processing capabilities but also underscore its readiness to perform reliably under stress, making it an indispensable asset for sectors requiring high stakes IT infrastructure.

Operational

Facing operational challenges is a constant in the field for IT professionals and engineers. These challenges can range from managing operations under extreme temperatures and mechanical stresses to maintaining performance amidst varying air pressures and power conditions. The Riot High-Performance Communication Server (HPCS) is crafted as the ideal solution to these multifaceted challenges, ensuring seamless operation and reliability across a spectrum of demanding conditions.

Its engineering allows for efficient server virtualization and sophisticated computing tasks, essential in modern IT infrastructures. The connectivity features of the Riot HPCS enable it to integrate smoothly into diverse network setups, ensuring that communication remains uninterrupted even under stress.



Moreover, the Riot HPCS's durability is a key factor in its ability to overcome environmental challenges. Certified to military standards for operation in extreme conditions, it demonstrates exceptional reliability across a wide temperature range from -40 to +55 degrees Celsius. This robustness, alongside its resistance to shock, vibrations, and adherence to strict power supply standards, positions the Riot HPCS as an optimal choice for sectors like defense, where reliability and performance under stress are paramount.

Demanding Applications

The adaptability and robust performance of the Riot High-Performance Communication Servers (HPCS) deliver significant advantages for applications in harsh and tough environments.

Defense Applications: In the defense sector, the Riot HPCS is indispensable for operations that demand high reliability under extreme conditions, such as remote surveillance, drone command and control, and real-time strategy execution. Its ability to function in severe temperatures and resist physical shocks ensures that communications and data processing remain uninterrupted, even on the most demanding missions. For example, integrating Riot HPCS into a mobile command center enhances strategic command capabilities, providing robust computational power and connectivity essential for decision-making in field operations.



By addressing the unique challenges of these diverse sectors, the Riot HPCS demonstrates its capability to not only meet current industry demands but also adapt to future technological shifts. This adaptability, coupled with the server's proven reliability and performance, underscores its value as a long-term investment for industries seeking to bolster their operational capabilities amidst a rapidly evolving technological landscape.

Support and Service

Recab prioritizes comprehensive support and services to ensure customers benefit fully from their investment in Riot HPCS. From the initial purchase through implementation, Recab's experienced engineering team assists in customizing standard products and developing custom-made solutions tailored to specific needs.

Moreover, Recab offers educational programs led by skilled technicians and sales teams to maximize product utilization. Recab's commitment to continuous improvement and quality management aims to deliver products and services with a low Total Cost of Ownership (TCO). This approach not only makes customers more competitive in their markets but also adds significant value to the purchasing experience. With a focus on long-term satisfaction, Recab offers warranties and service agreements designed to provide peace of mind and ensure operational excellence.



About Recab

Recab AB, a leader in industrial innovation, offers cutting-edge Embedded Computer Systems and Industrial Data Communication solutions. Renowned for its commitment to quality and innovation, Recab serves critical sectors including Defense, Manufacturing, Energy, and Maritime, driving success through unparalleled engineering expertise and exceptional service.

Vretenborgsvägen 28, floor 6
126 30 Hägersten
Sweden
+ 46 8 683 03 00
info@recab.com
recab.com