

Precise and Secure Guidance

Storage and Memory for Missile Guidance Training System



Introduction

A leading weapons manufacturer was implementing a new missile guidance training system that would be used in the field. Innodisk provided a high-performance, secure and robust solution fully satisfying the needs of the customer.

Modern weapon systems are constantly undergoing digitalization and automation, leading to ever growing demands for robust and high-performance systems. A leading European weapons manufacturer approached several companies to help with the design of a guided missile training system for new personnel. The system had to stay fully functional in challenging environments, handle stringent performance requirements, and provide rigid safety measures to keep sensitive data protected. As the sole provider, Innodisk was able to present a solution that satisfied all the requirements of the client.

Our Roadmap to Success

2.5" 512GB 3MR2-P SSD

- 256-Bit AES hardware encryption supported by TCG Opal 2.0
- Wide temperature –40°C to 85°C
- Compliant with MIL-STD-810G
- Military-standard Secure Erase function

XR-DIMM

Military-Grade DRAM

- Robust design aimed specifically at military applications
 - High transfer rate with 2666MT/s DDR4
 - Wide temperature –40°C to 85°C
 - Conformal Coating for added protection
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Challenges

- Data security – Military equipment contains sensitive data that poses a security risk if compromised
- Harsh conditions – Military operations happen in vastly different climates and environments and have to be able to withstand harsh conditions
- High-performance requirements – Running the training software requires high-performing storage and memory modules

Solutions

- Military-grade Data Security – Hardware-based AES-encrypted SSD with secure erase function
- Rugged, wide temperature solution – Modules that can withstand wide temperature variations and harsh conditions
- High-performance modules – High-speed DRAM and SSD modules that can handle intensive operations

Result

With the support of secure and durable components the training system is ready for operation anywhere in the world. Only Innodisk was able to deliver a satisfactory solution that met all the customer's requirements. Through this project Innodisk has reaffirmed its position as a leading provider of aerospace and defense solutions, and most importantly, strengthened the partnership with the client.

Our Promise

We at Innodisk believe that through cooperation we can overcome any challenge. By maintaining a strong line of communication all the way from inquiry to implementation, we ensure a tailor-made solution that fits your application. We remain committed to innovation with our continual focus on hardware, firmware and software integration.