



# Trusted Edge Servers for Defense & Aerospace

## Protection with Military-Grade, Data-at-Rest (DaR) Security

### Acquire. Secure. Succeed.

Harden your computing infrastructure with a military-grade data-at-rest security solution by Trenton Systems.

### Trenton Benefits



Ruggedized



Made In USA



Tested



Certified



Customizable



FIPS 140-2 and CC  
Certifications



Operating System  
Agnostic



NIAP/NSACSS Listings

### Thwart Unauthorized Access to Tactical Servers & Workstations

As of June 2021, 56 significant cyber incidents have been recorded since January. "Significant cyber incidents," according to the CSIS, are major cyberattacks on government agencies, defense contractors, technology companies, or economic crimes with losses of more than \$1 million.

Securing sensitive data on field-deployed servers and workstations amid an increasingly complex, data-abundant cyberwarfare theater is a recurring headache for today's defense and aerospace personnel. To ease the burden of this dilemma, Trenton Systems is dedicated to creating all-in-one, high-performance computers hardened by military-grade SEDs with data-at-rest security technologies.

1. **Trenton Embedded Computers** are the secure, ruggedized computing platform.
2. **FIPS-certified, self-encrypting drives (SEDs)** with an NSA-approved, AES-256-bit encryption engine supported by NIAP-listed software with pre-integrated multi-factor and pre-boot authentication, as well as optional cryptographic erasure.

### TAC family uses SEDs to secure the mission

Trenton Systems' Tactical Advanced Computer (TAC) family with military-grade SEDs begins securing critical intelligence at deployment. Designed for seamless integration with a variety of data-driven defense and aerospace applications, including autonomous and semi-autonomous weapons and vehicles, signal intelligence and electronic warfare, autonomous and semi-autonomous airborne ISR, JADC2, force protection and integrated base defense, and countless other resource-intensive systems, these specially configured TAC mission systems empower the decision-making of every modern servicemember tasked with rapidly acquiring, managing, storing, and distributing classified, secret, and top-secret information. Survive the inhospitality of the tactical edge with the industry's premier SFF mission computer family while protecting drive contents with pre-boot locking, multi-factor authentication, and instantaneous self-destruction technology.



## Tactical Advanced Computer (TAC)

The fanless, sealed, rugged, lightweight, embedded TAC family, based on the COM Express Type 7 architecture, is the tactical edge's latest innovation, equipped with next-generation Intel® CPUs, multiple sealed storage drives, and numerous hardware, firmware, and software security technologies developed by companies at the forefront of today's cybersecurity landscape.

It supports a mixture of removable drives, including SEDs, as well as high-performance NVIDIA GPUs via MXM. The TAC also comes standard with two NVMe connectors for use with SEDs.

## Other Trenton Computing Solutions

Any Trenton server, workstation, or embedded computer can be outfitted with removable SEDs for military-grade encryption at the tactical edge. A diverse assortment of configurations and ruggedization testing options are available.

## Military-grade SEDs

Easily meet federal cybersecurity requirements with TAA-compliant, FIPS-certified, NIAP-listed SEDs with military-grade, AES-256-bit encryption. It's the only storage solution that supports pre-tested and pre-integrated multi-factor and pre-boot authentication to ensure fortress-like data-at-rest protection and intelligent access security.

The SED's built-in PBA engages the AES encryption engine, which unlocks the drive and grants access to the operating system, virtual machine, or data stored on the SED. Once booted, the SED allows no overhead access to encrypted data at the full performance of the system.



## About Trenton Systems

[Trenton Systems](#) designs, manufactures, assembles, integrates, tests, and supports made-in-USA embedded computers, [rugged servers](#), [workstations](#), [processor boards](#), [PCIe backplanes](#), [storage systems](#), [blade servers](#), [PCIe expansion kits](#), [mini PCs](#), and custom high-performance computers for programs and applications operating in harsh environments worldwide.

Founded in 1989, Trenton Systems provides the defense/military, government, industrial, and commercial markets with in-house [engineering](#), [testing](#) and [support services](#), computer life cycle planning, [revision control](#), a [five-year warranty](#), and customization/configuration support.

