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 security solution by Trenton Systems and DIGISTOR®.

Trenton Benefits

- Ruggedized
- Made In USA
- Tested
- Certified
- Customizable

DIGISTOR Citadel Benefits

- 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 has partnered with DIGISTOR to create all-in-one high-performance computers hardened by military-grade, data-at-rest-secure (DAR) SEDs.

1. **Trenton Servers & Workstations** The secure, ruggedized computing platform
2. **DIGISTOR® Citadel™ SSDs Powered by CipherDrive™** FIPS-certified, self-encrypting drives (SEDs) with an NSA-approved AES-256-bit encryption engine supported by CipherDrive, the NIAP-listed software with pre-integrated multi-factor and pre-boot authentication, as well as optional cryptographic erasure.

3U BAM Server uses Citadel™ SEDs to secure the mission

The Trenton 3U BAM Server with military-grade Citadel SEDs and CipherDrive management software 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, signals intelligence and electronic warfare, autonomous and semi-autonomous airborne ISR, JADC2, force protection and integrated base defense, and countless other resource-intensive systems, this specially configured 3U BAM Server solution empowers the decision-making 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 rugged server while protecting drive contents using unified management software employing pre-boot locking, multi-factor authentication, and instantaneous self-destruction technology.

DIGISTOR® SECURE DATA STORAGE

TRENTON SYSTEMS®

3U BAM Server

The hardened, made-in-USA 3U BAM Server is the tactical edge's latest innovation, equipped with third-generation Intel® Xeon® Ice Lake SP CPUs, 11 optimized PCIe 4.0 slots, 24 DDR4-3200 memory slots, and multiple hardware, firmware, and software security technologies developed by companies at the forefront of today's cybersecurity landscape.

Its front panel sports three drive bays supporting a mixture of front-removable drives, including DIGISTOR Citadel M.2 and 2.5" SATA SEDs, and optical drive bay carriers. The BAM also comes standard with two NVMe ports for use with DIGISTOR Citadel M.2 SEDs.

Other Trenton Computing Solutions

Any Trenton 1U-5U server or workstation can be outfitted with front-removable DIGISTOR Citadel SEDs employing CipherDrive software for military-grade encryption at the tactical edge. A diverse assortment of configurations and ruggedization testing options are available.

DIGISTOR's Citadel Powered by CipherDrive

Easily meet federal cybersecurity requirements easily with the TAA-compliant, FIPS-certified, NIAP-listed DIGISTOR Citadel SEDs with military-grade AES 256-bit encryption and easy-to-use CipherDrive management software. 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 protec-tion and user-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.

CipherDrive protects the entire contents of the SED when the computer is turned on or off; contents are easily erased using cryptographic erasure. Users can also manage account access and restrictions, general settings, maintenance, audit logs, and authentication reports from CipherDrive's smooth dashboard interface.

About Trenton Systems

Trenton Systems designs, manufactures, assembles, integrates, tests, and supports made-in-USA 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.

About DIGISTOR®

DIGISTOR® provides secure storage solutions for data at rest. DIGISTOR products include TAA-compliant, FIPS-certified self-encrypting SSDs and industrial-grade flash storage products. DIGISTOR is a brand of the CRU Data Security Group (CDSG), headquartered in Vancouver, Washington.