

PRELIMINARY - AVAILABLE Q2 2009

TRIDENT TRITON FSE (FAST/SECURE ERASE) SOLID STATE DRIVE

OVERVIEW

The Triton FSE (Fast/Secure Erase) Solid State Drive features up to 128GB of rugged solid state storage with Fast and Secure Erase algorithms built in to offer the ultimate in data security. The Triton FSE SSDs are designed to specifically address the stringent requirements of military and defense applications where securing your data is paramount. Our Fast/Secure Erase (FSE) technology complies with current military data elimination standards to ensure that your data does not end up in the wrong hands.

Triton FSE SSDs are offered in an industry standard 2.5 inch form factor utilizing PATA or SATA interfaces. This makes them ideal as a direct drop-in replacement for conventional rotating hard disks that are prone to short production life, and often fail in mobile computing and industrial environments where temperature fluctuations, shock, vibration, dust, moisture, and/or magnetic fields are present.

Triton FSE Solid State Drives deliver a solid solution for data storage and protection while providing the powerful performance and speed today's data-intensive applications demand. In contrast to standard commercial solid state drives Triton SSDs are built to exacting quality standards utilizing only industrial grade SLC NAND flash and are burned in for 8 hours or more to reduce infant mortality. In addition, customers can specify an extended 96 hour burn in, for the ultimate in military grade reliability.

FEATURES

- Fast and Secure Erase for complete media de-classification (Clear data: 128GB ~3 minutes)
- Ruggedized Design to protect against shock and vibration.
- Precision machined aluminum alloy case
- Anodized inside and out for improved corrosion resistance and durability
- Up to 128GB Capacity in standard 2.5" form factor (9.5 mm height)
- Up to 100 MB/sec Sustained R/W Rate with 0.5 msec Access Time
- No Device Driver required (completely compatible with standard SATA or PATA interface)
- Operating System Independent
- Low Power Consumption

APPLICATIONS

- Military and Aerospace
- Homeland Security
- Flight Data Recorders
- Mission Data Transfer
- Missile Guidance Systems
- Telemetry and Tracking



Specifications

Form Factor	2.5 inch
Dimensions	100.2mm(L) x 69.85mm(W) x 9.5mm(H)
Interface	PATA and SATA II
Capacity	32/64/128 GB
Performance	Up to 100 MB/sec Sustained Read Rate with 0.5msec random access. Up to 70MB/s Sustained Write,
Solid State Storage	Industrial Grade SLC NAND Flash
Sectors	512 byte Sectors
Operating Temperature	-40 to 85 °C
Humidity	5% to 95% relative humidity, non-condensing
Altitude	80,000 Feet
Data Integrity	Wear leveling and ECC algorithm built in
Shock	1,500G Mil-STD-810F testing
Vibration	16.3G RMS Mil-STD-810F testing
Power	Input:5VDC ± 5% / Max Operational: 5W
Standard Warranty	3 Years
Erase Methods	Fast Clear, Plus Agency defined methods including DoD 5220.22-M, NSA 130-2, USA Army 380-192, Navy NAVSO P-5239-26, Air Force AFSSI 5020 IRIG 106-07, chapter 10.8
Options	<ul style="list-style-type: none"> • Conformal Coat • Extended 96 hour burn-in

Dimensions

