

PRELIMINARY - AVAILABLE Q2 2009

TRIDENT TRITON FX SOLID STATE DRIVE

OVERVIEW

The Triton FX SSD provides the ultimate combination of high speed performance with the extreme durability that you've come to expect from Trident. With one of the highest storage capacities available in an SSD, the Triton FX pushes the technology envelope to offer up to 128GB of pure solid state storage. Perfect for use in military and defense applications where harsh environments, shock, vibration, temperature and other extremes are a concern.

Triton FX 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 FX 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

- Ruggedized Design to protect against shock and vibration.
- Built with qualified components, including industrial Grade SLC NAND Flash with 8+ hour burn-in.
- Precision machined aluminum alloy case
- Anodized inside and out for improved corrosion resistance and durability
- Available in 32, 64 & 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 across all drive capacities.
- 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
- Rugged Computing
- Telemetry and Tracking

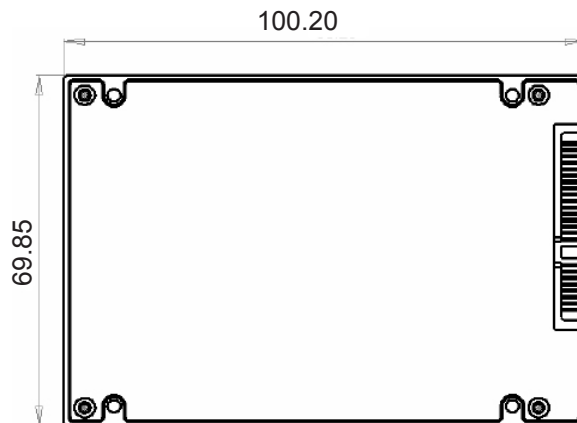


Specifications

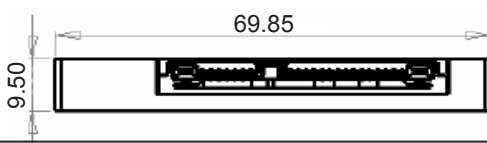
Form Factor	2.5 inch
Dimensions	100.2mm(L) x 69.85mm(W) x 9.5mm(H)
Interface	PATA and SATA II
Capacity	32/64/128 GB
Performance	Up to 100 MB/sec Sustained Read Rate with 0.5msec random access. Up to 70MB/s Sustained Write,
Solid State Storage	Industrial Grade SLC NAND Flash
Sectors	512 byte Sectors
Operating 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 \pm 5% / Max Operational: 5W
Standard Warranty	3 Years
Options	<ul style="list-style-type: none"> • Conformal Coat • Extended 96 hour burn-in

Dimensions

Top View



Front View



Side View

