

**When it absolutely, positively has to work!
Protect your data with Trident Solid State Drives**

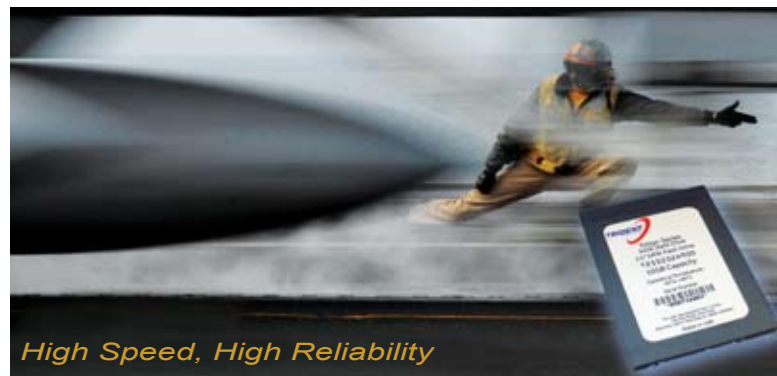
Extremely Rugged for an Extreme World

FEATURES

- Complete Solid State Solution with no moving parts
- Ruggedized Design that is both Shock Resistant and Splash Proof
- Precision machined aluminum alloy case that is anodized inside and out for improved corrosion resistance and durability (2.5" form factor)
- Up to 128 GB Capacity in standard 2.5" form factor (9.5 mm height)
- Sustained read speeds up to 100 MB/sec. Sustained write speeds up to 70 MB/sec.
- Low Power Consumption
- No Device Driver required (completely compatible with standard IDE or SATA interface)
- Operating System Independent
- Available in custom form factors
- **Now available with Fast erase and Sanitization functionality for complete media declassification**

APPLICATIONS

- Military and Aerospace
- Law Enforcement
- Transportation
- Industrial Applications
- High-speed Networking and Enterprise Applications
- Mobile Computing
- Embedded Systems
- Medical



ABOUT TRIDENT

Trident Space & Defense located in Torrance, California is a recognized industry leader and global supplier of high reliability microelectronic products and services for the Aerospace and Military markets.

Originally established in 1976 as a division of TRW (formerly known as TRW-CI), the division became part of privately held Vertical Circuits Inc. in 1999. With the launch of Trident Space & Defense in 2007 - the three legacy Mil/Aero business units in Torrance California (Electronic Components, Advanced Products Group and Ground Systems) are well positioned to build on a proven legacy of 30 successful years in supporting the industry at large with our high technology solutions and total commitment to customer service and support.

Trident's Electronic Components business unit is a supplier of high reliability electronic components and design support services to the space industry.

The Advanced Products Group provides advanced semiconductor packaging solutions for custom multichip modules, systems-in-a-package, memory modules as well as solid state drives (SSD) in both ruggedized stand alone and embedded component configurations.

Trident's Ground Systems business unit supplies custom, turnkey full-tracking ground stations to the commercial space industry.

With Trident Space and Defense - you can count on world-class innovation tied to a proven track record of support for hundreds of historically successful space, aerospace and military programs. Our experience in our industry starting with our TRW heritage is second to none!

We are at your service. How can we ensure your program's success?



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**Military Grade
Rugged, Reliable and Secure
with Fast Erase and Drive Sanitization Features
Available in Standard and Custom Form Factors**

TRIDENT 2.5 INCH SOLID STATE DRIVES

OVERVIEW

Trident's Solid State Drives incorporates proven non-volatile Flash memory technology in a completely solid-state design with no moving parts. Trident SSDs are offered in industry standard sizes, including 1.8 inch and 2.5 inch IDE and SATA form factors. 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.

Trident SSD's 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 rotating media, the Trident SSD achieves extremely fast data access times and reduced overall data latency through the elimination of seek times. Furthermore, the switch to solid state provides an extremely reliable solution featuring no moving parts and a MTBF > 1 Million hours.

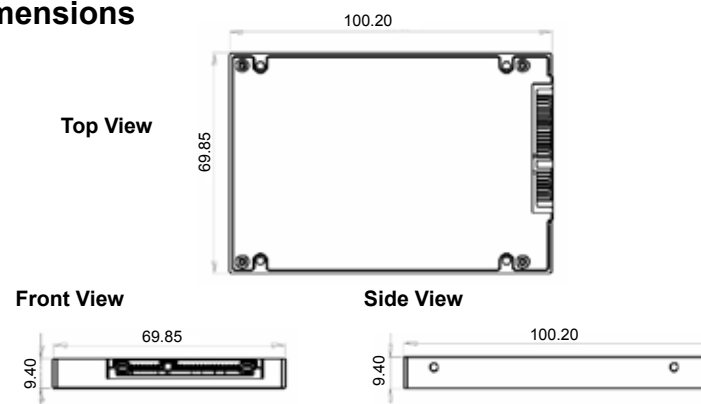


*Available with SATA or IDE Interface

SPECIFICATIONS

Form Factor	Standard: 1.8 - inch , 2.5 - inch Also available in custom form factors
Dimensions	100.2mm(L) x 69.85mm(W) x 9.5mm(H)
Interface	IDE: ATA-6, UDMA-100 with 44-pin IDE interface SATA: Fully compliant to SATA II standard
Capacity	Up to 128 GB
Performance	Up to 110 MB/sec Read and 70MB/sec Write
Solid State Storage	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	Built in Wear leveling and ECC algorithm
Shock	>1,500G Mil-STD-810F testing
Vibration	>16.3G RMS Mil-STD -810F testing
Power	5VDC ± 5%
Standard Warranty	3 Years
Options	<ul style="list-style-type: none"> Conformal Coat Silicone Gel Fill for Extremely Harsh Environments Fast erase and sanitization functionality

Dimensions



TRIDENT BGADRIIVE

OVERVIEW

Trident's BGADrive leverages our experience in SSD design and combines it with our advanced packaging techniques to deliver a solid state solution for data storage and protection while providing the high performance and speed in today's data-intensive applications. Trident's BGADrive incorporates proven non-volatile Flash memory technology, a complete solid state feature set, advanced die stacking technology with True-IDE Mode performance, in a custom BGA form factor.

We support the single board and embedded computer market with it's variety of interfaces like PC/104, PC/104-Plus, PCI, CompactPCI, PCI Express and VME form factors. The BGADrive is ideal for the embedded computing market where it's densities and performance with operating systems can enable multiple software applications.

Interface	IDE / ATA-6, UDMA-100 BGA Interface
Capacity	Up to 32GB
Performance	Up to 40MB/sec Sustained R/W 0.5 msec random access
Solid State Storage	SLC NAND Flash
Operating Temp	<ul style="list-style-type: none"> Commercial: 0 to 70 °C Industrial: -40 to 85 °C



*Product Information and Specifications Subject to Change Without Notice