

Trident Space & Defense Launches BGADrive at Embedded Systems Conference Silicon Valley

Embedded Systems Conference Silicon Valley to be held April 14-18, 2008 in San Jose, CA

- **Torrance, CA, March 10, 2008:** Trident Space & Defense, LLC (formerly a division of TRW, Inc.) will be exhibiting its new BGA packaged, high density data storage solutions and its Triton Series of ruggedized Solid State Drives (SSDs) at the Embedded Systems Conference Silicon Valley to be held April 14-18, 2008 at the McEnery Convention Center in San Jose, California. **Booth #417**

BGADrive Solid State Data Storage with High Performance, Speed and Protection for Today's Data-Intensive Applications to be Featured

Trident Space & Defense, a recognized industry leader and global supplier of high reliability microelectronic products and services for the Aerospace, Military and Industrial markets will be exhibiting its new BGADrive incorporating advanced package stacking technology. Trident's BGADrive is a high density IDE Solid State Drive in a Ball Grid Array (BGA) package that can be directly reflow-soldered onto a PC board with other components. With densities up to 32GB and a footprint of only 29mm x 29mm, this makes it a perfect solution for embedded systems and other devices where space is at a premium.

In contrast to rotating media, the BGADrive achieves extremely fast data access times and reduced overall data latency by eliminating seek times. Furthermore, the switch to solid state non-volatile Flash memory provides an extremely reliable solution featuring no moving parts and a MTBF > 2 Million hours.

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

FEATURES

- Complete Solid State Solution with no moving parts
- Vibration and Shock Resistant
- Form Factor: BGA Package
- Storage Capacity: Up to 32GB (SLC NAND)
- Speed: Up to 45 MB/sec Sustained R/W Rate with 0.5msec Access Time
- Operating Temperature: -40 to 85 °C
- Operating Shock: >1500G
- Operating Vibration: >50G
- IDE Ultra-DMA 100
- No Device Driver Required (completely compatible with standard IDE interface)
- Operating System Independent

APPLICATIONS

- Military and Aerospace and Industrial Applications
- Embedded Computing Applications
- High-speed Networking and Enterprise Applications
- Mobile Computing
- Transportation

Parallel ATA (PATA) & Serial ATA (SATA) Solid State Drives

The Triton Series of Solid State Drives incorporates proven non-volatile Flash memory technology in a completely solid-state design with no moving parts. Triton SSDs are offered in an industry standard 2.5 inch PATA (also known as ATA/IDE) or SATA form factor. This makes them ideal as direct drop-in replacements 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.

The Triton Series 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 rotating media, the Triton 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 > 2 Million hours.

FEATURES

- Complete Solid State Solution with no moving parts
- Ruggedized design that is both Shock Resistant and Splash Proof
- Precision machined aluminum alloy case
- Anodized inside and out for improved corrosion resistance and durability
- Low Power Consumption
- PATA: Up to 32GB Capacity in standard 2.5" form factor (9.4mm height)
- SATA: Up to 64GB Capacity in standard 2.5" form factor (9.4mm height)
- PATA: Up to 40MB/sec Sustained R/W Rate with 0.5msec Access Time
- SATA: Up to 120MB/sec Sustained R/W Rate with 0.5msec Access Time
- No Device Driver Required
- Operating System Independent

APPLICATIONS

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

Trident Space & Defense, LLC is composed of three operating units. The **Advanced Products Group** business unit provides advanced semiconductor packaging solutions for custom multi-chip modules, systems-in-a-package, and memory modules as well as solid state drives (SSD) in both ruggedized stand alone and embedded component configurations. The **Space Electronic Components** business unit is a supplier of high reliability electronic components and design support services to the Space industry. The **Ground Systems** business unit supplies custom, turnkey full-tracking ground stations to the commercial Space industry.

Trident Space & Defense, LLC is a Veteran-Owned, Small Business Company. It is an ISO9001:2000 certified and Department of State registered manufacturer. Originally established in 1976 as a division of TRW, Trident is well positioned to build on a proven legacy of 30 successful years in supporting over 100 major Space, Military and high reliability Industrial programs.

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For more information regarding this trade show, go to:

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