

# DELKIN DEVICES®

## Rugged Controlled Storage.

### Delkin Unleashes Toughest MIL-STD High Speed SATA SSD Ever

**May 27th, 2010 - Poway, CA** - Delkin Devices, Inc., a world leader in industrial “built-to-order” flash storage solutions introduces their advanced generation of ruggedized solid-state drives (SSD), Iridium™ & Palladium™. Using a patent pending Tekta™ infusion process(optional) the drive and its contents are protected from extreme temperatures (-50°C to 100°C), water intrusion, humidity, rain, shock, dust, impact, vibration, rust and more. Designed to deliver supreme performance in even the most extreme conditions, the drives obtain superior sustained speeds up to 260MB/s read and 210MB/s write. The Delkin SATA SSDs are currently available in capacities from 4GB to 128GB, in either 2.5 or 1.8 inch form factors.

“SSDs are inherently reliable and able to withstand more trauma than a traditional hard drive, but we have a unique customer base that often demands that extra insurance for extreme situations and extended use”, explains CEO Martin Wood. “Our Tekta™ infusion process was developed to enable our Solid State Drives to excel in even the most trying situations, whether it is repelling water, extreme heat or cold, vibration, or another extreme usage environment. We recognize the industry need for a more ruggedized, reliable drive that performs, on all levels, beyond industry standards, and our SSDs are unrivaled.”



Optimized for embedded usage, these drives are ideal for applications found in SATA based client PCs, ruggedized mobile devices, medical applications, military, and aerospace. In addition to superior performance across industries, Delkin’s SSDs offer a full line of customizable features, including:

#### Specialized Feature Set

- **D<sup>2</sup> Rugged Immersion Mechanics™ (RIM)** - A patent pending Tekta™ infusion process allows drives to achieve extremely ruggedized status.
- **D<sup>2</sup> FileForce Technology™ (FFT)** - advanced wear leveling, bad block management, defragmentation, sudden power-off recovery, and over-provisioning techniques designed to improve performance, prolong drive life, and enhance reliability.
- **D<sup>2</sup> SureFire Erase™ (SFE)** - Fast secure erase data declassification methods meet strict government policies and specifications.
- **Self-Monitoring Analysis and Reporting Technology (SMART)** - detects and warns when the SSD requires maintenance.
- **Native Command Queuing (NCQ)** - increases performance by placing read/write commands in optimal sequence for efficient execution.
- **TRIM command support (Windows 7)** - Helps maintain the SSDs performance throughout its lifespan.

Delkin Devices Solid State Drives are available in the Iridium™ SLC series or Palladium™ MLC series with the option of a 2.5” or 1.8” form factor. All Delkin SATA SSDs adhere to a strictly controlled specification using only certified NAND flash to ensure no variation in performance or longevity. Control

of each drive's performance is assured by a configurable part number and a locked down Bill of Materials. Only extended temperature components are used and drives are continually tested for enhanced shock and vibration performance. Advanced error detection, correction code, and static and dynamic wear leveling are used to prolong drive life and efficiency. These specialized drives are an ideal solution for applications where reliability and data integrity is required. For more information visit [www.delkinoem.com](http://www.delkinoem.com) or call 800-637-8087 and ask for the industrial storage solution sales team.

**About Delkin Devices, Inc.**

Delkin Devices, Inc. is a USA manufacturer of OEM flash memory with over 20 years of expertise providing customized, solid state drives and data storage solutions. Delkin's flash memory storage offers enhanced shock and vibration specifications, extended temperature ranges for extreme environments and a variety of customized features. By using single level cell (SLC) flash and components designed for MIL-STD 810 regulated applications, Delkin Devices is able to assure consistent board reliability and speedy operation. These components keep Delkin memory cards operating to specification up to 10 times longer than off-the-shelf memory solutions. Engineering support and customer service is right at hand, here in the USA. Rugged Controlled Storage, that's what makes Delkin Devices the right choice.

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