

## **Contact Information**

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## **DMS Celerity 3G SSD**

The DMS Celerity 3G SSD combines enterprise-class performance and reliability with low power operation to make the ideal mobile drive. The high read and write performance of the DMS Celerity 3G SSD will satisfy the most demanding gamer and power-user, while the low power mode extends battery life for the road warrior.

Providing an industry-leading bandwidth of more than 260MB/sec transfers, the DMS Celerity 3G SSD can approach the limits of the SATA 3Gb/s interface on large transfers. Performance reaches enterprise-class standards with up to 30,000 IOPS.

A robust ECC algorithm and RAISE™ technology protect the data. Efficient bad block management and reduced write amplification further bolster endurance. Drive health is monitored using an SSD-specific set of S.M.A.R.T. attributes. The combination of these techniques provides data protection unrivaled in the storage industry.

Call and order a DMS Celerity 3G SSD and see for yourself why it is the optimal drive for your computer system.

### **Reduced Power Requirements**

- No moving parts
- Super-low operating and standby power needs
- Power requirements notably reduced over a typical HD

### **Fast Performance**

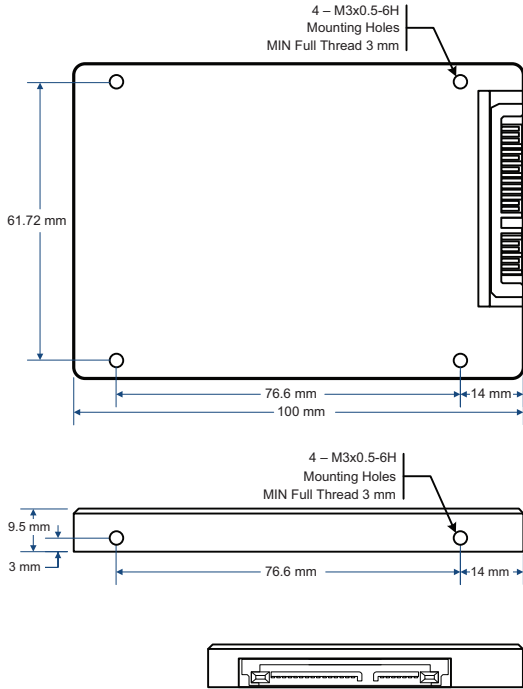
- Virtually zero spin-up or seek times.
- Zero rotational latency
- High sustained high-speed data transfers

### **Reliable**

- No volatile memory elements
- Improved resistance to shock and vibration
- Predictable and manageable failure modes reduce IT costs

### **Improved Operation**

- Noise and vibration free
- Virtually no heat emissions
- Lighter than conventional storage



Assembled in the U.S.A.

Part Number	Capacity	Wear Level Provisioning	Read/Write Sequential	IOPS
PSSDS20403	40	20%	280/275	30K
PSSDS20603	60	7%	280/275	30K
PSSDS21153	115	11%	280/275	30K
PSSDS22403	240	7%	280/275	30K
PSSDS24803	480	7%	280/275	22.5K

## DMS Celerity 3G SSD – Technical Specifications

### Features

Lifetime performance — will not degrade over time  
 TRIM support (O/S support required)  
 Windows (32-bit & 64-bit), Linux, and Mac OSX  
 Ultra-efficient Block Management and Wear Leveling

### Capacity

40GB to 480GB

### Host Interface

SATA 2.6 Compliant, 3Gb/s support and 1.5Gb/s support  
 Native Command Queuing: 32  
 SMART Attribute List: Extended

### Performance

Sequential Read @128K: up to 285MB/s  
 Sequential Write @128K: up to 275MB/s  
 Random Read IOPS @ 4K blocks: up to 30K  
 Random Write IOPS @ 4K blocks: up to 30K

### Flash Memory Support

Supports MLC or SLC type  
 Number of Flash Buses: 16

### Power Consumption

Typical (mW) <2.5W  
 Sleep/Slumber: 50mW

### Reliability

MTBF: 1.5M  
 Up to 24 9-bit Symbols Correction per 512 9-bit Symbol  
 Non-recoverable Read Errors: (Less than 1 sector per bits read)  $10^{16}$

### Environmental

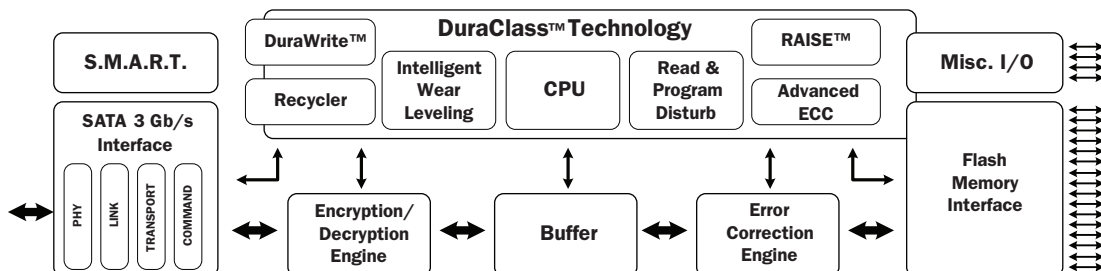
Operating Temperature 0°C to 70°C

### Security

128-bit AES compliant Data Encryption  
 User Selectable Password prior to boot  
 User Selectable Password runtime  
 Secure Erase (Factory Reset — ATA)

### Physical

2.5" industry standard form factor  
 Height: 9.5mm  
 Weight: < 80gm



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