Improve your read-intensive, data-streaming data center: Read this.

Advanced 2.5" SSD designed for read-intensive, data-streaming data centers.

You can easily increase the performance, value and reliability of your read-intensive, data-streaming data centers. Simply use Samsung 860 DCT Series SSD. Specifically engineered for long-lasting performance, they’re designed to meet and exceed the unique requirements of all types of read-intensive, data-streaming data centers. With our groundbreaking V-NAND technology, best-in-class TBW levels, and a reinforced controller, they’re the right drive for the right job.

Key Features

**Data Center SSDs, Advanced V-NAND**
Keep your business running 24/7. Attain optimal performance, value and reliability with advanced Samsung V-NAND technology SSDs. They’re produced in-house to stringent standards and are designed specifically to enhance your read-intensive, data-streaming data center.

**Optimal Read-Intensive Performance**
Give speed to your business presence. Boost performance with faster sequential and random read speeds. They’re ideal for all types of read-intensive, data-streaming data centers, including content delivery network systems.

**Enhanced Operations Efficiency**
Accomplish far more with less. Achieve higher efficiency and performance compared to legacy storage systems, with fewer servers, reduced power and cooling, and lower TCO. Maintenance is more efficient, too, with the provided Samsung SSD Toolkit software.

**Samsung Quality and Reliability**
Keep going with less downtime. In-house production utilizing our own Samsung-built components allows us greater quality control and manufacturing efficiencies, to produce SSDs of superior quality and reliability. Empower your business to run faster, more efficiently, and with the reduced costs that come from world-class dependability.

Contact Us: samsung.com/b2bssd
## Samsung 860 DCT 2.5" Solid State Drives

<table>
<thead>
<tr>
<th>Usage Application</th>
<th>MZ-76E960E</th>
<th>MZ-76E1T9E</th>
<th>MZ-76E3T8E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>960 GB</td>
<td>1,920 GB (1.9 TB)</td>
<td>3,840 GB (3.8 TB)</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>3.94” x 2.75” x 0.27”</td>
<td>3.94” x 2.75” x 0.27”</td>
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</tr>
<tr>
<td>Interface</td>
<td>SATA 6 Gb/s (Compatible with SATA 3 Gb/s and SATA 1.5 Gb/s)</td>
<td>SATA 6 Gb/s (Compatible with SATA 3 Gb/s and SATA 1.5 Gb/s)</td>
<td>SATA 6 Gb/s (Compatible with SATA 3 Gb/s and SATA 1.5 Gb/s)</td>
</tr>
<tr>
<td>Form Factor</td>
<td>2.5”</td>
<td>2.5”</td>
<td>2.5”</td>
</tr>
<tr>
<td>Controller</td>
<td>Samsung MJX Controller</td>
<td>Samsung MJX Controller</td>
<td>Samsung MJX Controller</td>
</tr>
<tr>
<td>NAND Flash Memory</td>
<td>Samsung V-NAND 3-bit MLC</td>
<td>Samsung V-NAND 3-bit MLC</td>
<td>Samsung V-NAND 3-bit MLC</td>
</tr>
<tr>
<td>DRAM Cache Memory</td>
<td>Samsung 1 GB LPDDR4 SDRAM</td>
<td>Samsung 2 GB LPDDR4 SDRAM</td>
<td>Samsung 4 GB LPDDR4 SDRAM</td>
</tr>
</tbody>
</table>

### Performance

- **4KB Sequential Read (Max.):** 550 MB/s
- **4KB Sequential Write (Max.):** 520 MB/s
- **4KB Random Read (QD32) (Max.):** 98,000 IOPS
- **4KB Random Write (QD32) (Max.):** 19,000 IOPS

### Weight (Max.)

- 60 g.

### Reliability (MTBF)

- 1.5 Million Hours

### TBW

- 349 TBW

### Power Consumption

- **Active Read/Write (Max.):** 2.02 W / 2.95 W
- **Idle (Max.):** 1.05 W

### Supporting Features

- TRIM Support, Garbage Collection, S.M.A.R.T., AES 256-bit Encryption (Class 0), WWN Support

### Temperature

- **Operating:** 32˚ ~ 158˚F (0˚C ~ 70˚C)
- **Non-Operating:** -49˚ ~ 185˚F (-40˚C to 85˚C)

### Humidity

- 5% to 95%, Non-Condensing

### Vibration (Non-Operating)

- 20~2000Hz, 20G

### Shock (Non-Operating)

- 1500G, Duration 0.5 m/sec, Half-Sine

### Limited Warranty

- 3 Years or 549 TBW

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