Intel® Solid State Drive Data Center P3520 Series

FASTER STORAGE. BETTER INSIGHT.

Performance

4.7X

TARGET APPLICATIONS

Cloud
Big Data
Streaming
Virtualization

HDD

PCIe SSD

Intel Reliability, Trust, and Innovation

OVER 100X MORE EFFECTIVE
than other SSDs in preventing Silent Data Corruption

Modernize your data center today with Intel® PCIe SSDs.

Visit www.intel.com/ssd to discover more.

Breakthrough Performance

FORM FACTOR FLEXIBILITY

Amazing performance and value with Intel® 3D NAND technology

Reliability

TARGET APPLICATIONS

Performance

SATA

PCIe SSD

1) Source - Intel. Results have been estimated or simulated using internal Intel analysis or architecture simulation or modelling, and provided to you for informational purposes. Comparing 2TB Intel® SSD DC P3520 with 1.6TB Intel® SSD DC S3520. Any differences in your system hardware, software or configuration may affect your actual performance.

2) Source - Intel. Test performed on Intel® SSD S3x00 drives, Samsung* PM853T and SM843T, Micron* P400e, Seagate* 600 Pro SSD. If a drive re-booted it was read, and data was compared to the tester’s master copy of the up-to-date data that the drive was expected to contain based on writes the drive had acknowledged as completed prior to the “hang” event. If the drive returned data that differed from the expected data, it was recorded as failing silent errors. The actual rate of silent errors was calculated from the rate during accelerated testing divided by the acceleration of the beam (see JEDEC* standard JESD89A). The source cited is JEDEC standards environment (JESD7D) and JEDEC Rabbit (power and thermal profile) induced wear-leveling using various Codes of Conduct measured using a 4KB-20MB byte transfer size on a random write workload a full logical block address (LBA) span of the drive once the workload had reached steady state but including all background activities required for normal operation and data-reliability. Based on Random-4K (4K) I/O workload, measured as the time taken for 99.9% (64-64-646) percentile of commands to finish the round trip from host to drive and back to host.

3) Source – Intel. Measured performance of Intel® SSD DC S3710 and DC P3700 on 4K Mixed (70/30) workload. Devices measured at the time of manufacturing. Device measured as the time taken for 99.9 (or 99.9999) percentile of commands to finish the round trip from host to drive and back to host.

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