








BETTER SERVICE LEVELS BROADER CLOUD WORKLOADS

Intel® SSD DC P4510 Series. Inspired by the cloud.





FEATURES

-  Built on 64-layer, TLC, Intel® 3D NAND technology, available in 1,2,4 and 8TB capacities
-  Support for NVMe Express* Management Interface (NVMe*-MI), NVMe SMART / Health and Log Pages
-  PCIe 3.1 x4, NVMe 1.2 Interface
-  Form factor: U.2 2.5in x 15mm, for space-efficient storage







PERFORMANCE¹

-  Random 4K Read:
up to 637K IOPS
- Random 4K Write:
up to 139K IOPS
- Sequential 128K Read:
up to 3200 MB/s
- Sequential 128K Write:
up to 3000 MB/s

INTEGRITY

-  End-to-end data protection uncorrectable bit error rate <1 sector per 10 bits read
-  Endurance—up to 1 DWPD
-  Power—62.4K IOPS/watt
-  5 year warranty

TARGET APPLICATIONS

-  Virtualization for enterprise IT
-  Big Data/ database analytics
-  Streaming high-bandwidth content
-  Cloud content delivery
-  Read-intensive workloads
-  High-demand cloud workloads

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¹ Test and System Configuration: Intel® Server Board S2600WTTR, Intel Xeon® E5-2699 v3, Speed: 2.30GHz, Intel BIOS: Internal Release, DRAM: DDR3 – 32GB, OS: Linux® Centos® 7.0 kernel 4.8. Testing performed by Intel. For IO workload, FIO* tool was used.

Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown." Implementation of these updates may make these results inapplicable to your device or system.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to www.intel.com/benchmarks.

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