

INTEL® OPTANE™ SSD DC P4800X SERIES

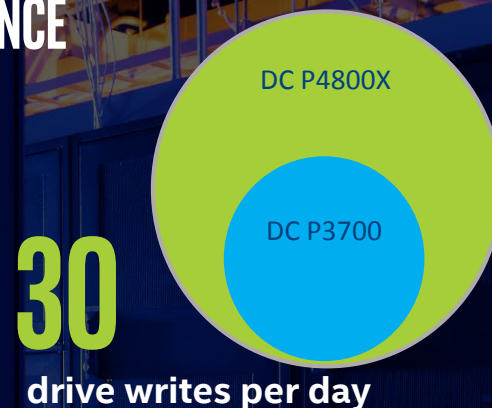
WORLD'S MOST RESPONSIVE DATA CENTER SSD⁴



BREAKTHROUGH PERFORMANCE



ULTRA ENDURANCE



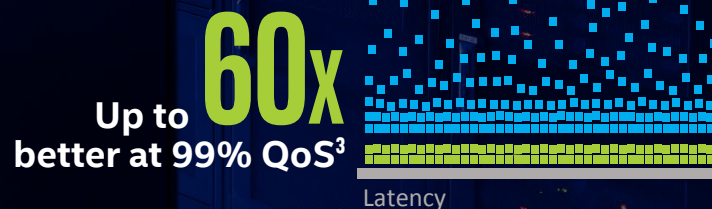
TARGET APPLICATIONS

- In Memory Database
- Cache Hot Data
- AI Deep Learning
- Software Defined Storage
- Virtualization

RESPONSIVE UNDER LOAD

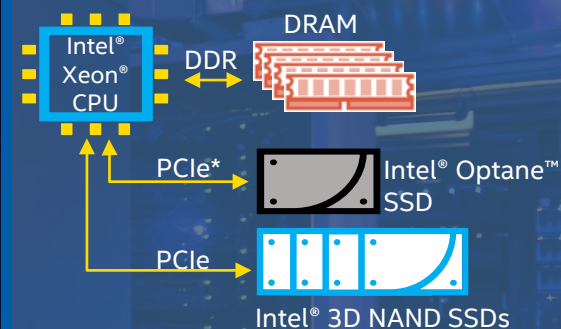


PREDICTABLY FAST SERVICE



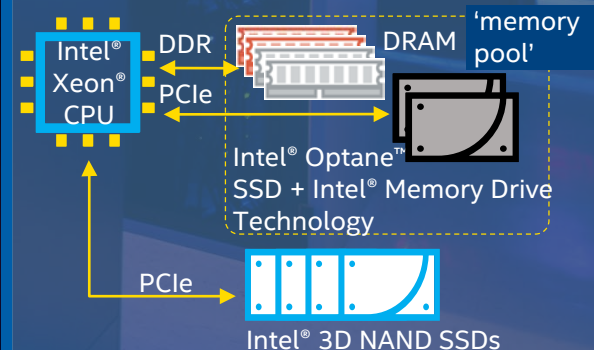
INTEL® OPTANE™ SSD DC P4800X

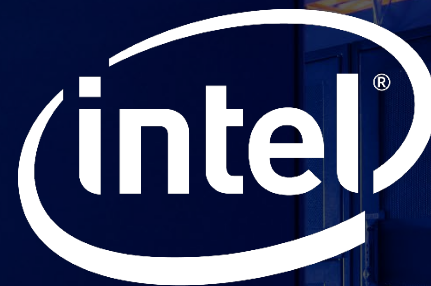
FAST STORAGE AND CACHE



INTEL® OPTANE™ SSD DC P4800X WITH INTEL® MEMORY DRIVE TECHNOLOGY

MEMORY EXTENSION





experience
what's inside™

Learn more about how Intel® Optane™ SSDs can transform your business. Visit intel.com/optane now.

1. Common Configuration - Intel 2U PCSD Server OS CentOS 7.2, kernel 3.10.0-327.el7.x86_64, CPU 2 x Intel® Xeon® E5-2699 v4 @ 2.20GHz (22 cores), RAM 396GB DDR @ 2133MHz. Configuration - Intel® Optane™ SSD DC P4800X 375GB and Intel® SSD DC P3700 1600GB. Performance - measured under 4K 70-30 workload at QD1-16 using fio-2.15.

2. Responsiveness defined as average read latency measured at queue depth 1 during 4k random write workload. Measured using FIO 2.15. Common Configuration - Intel 2U PCSD Server ("Wildcat Pass"), OS CentOS 7.2, kernel 3.10.0-327.el7.x86_64, CPU 2 x Intel® Xeon® E5-2699 v4 @ 2.20GHz (22 cores), RAM 396GB DDR @ 2133MHz. Configuration - Intel® Optane™ SSD DC P4800X 375GB and Intel® SSD DC P3700 1600GB. Latency - Average read latency measured at QD1 during 4K Random Write operations using fio-2.15.

3. Common Configuration - Intel 2U PCSD Server ("Wildcat Pass"), OS CentOS 7.2, kernel 3.10.0-327.el7.x86_64, CPU 2 x Intel® Xeon® E5-2699 v4 @ 2.20GHz (22 cores), RAM 396GB DDR @ 2133MHz. Configuration - Intel® Optane™ SSD DC P4800X 375GB and Intel® SSD DC P3700 1600GB. QoS - measures 99% QoS under 4K 70-30 workload at QD1 using fio-2.15.

4. Responsiveness defined as average read latency measured at Queue Depth 1 during 4k random write workload. Measured using FIO 2.15. Common configuration - Intel 2U Server System, OS CentOS 7.2, kernel 3.10.0-327.el7.x86_64, CPU 2 x Intel® Xeon® E5-2699 v4 @ 2.20GHz (22 cores), RAM 396GB DDR @ 2133MHz. Intel drives evaluated - Intel® Optane™ SSD DC P4800X 375GB and Intel® SSD DC P3700 1600GB. Samsung* drives evaluated - Samsung SSD PM1725a, Samsung SSD PM1725, Samsung PM963, Samsung PM953. Micron* drive evaluated - Micron 9100 PCIe* NVMe* SSD. Toshiba* drives evaluated - Toshiba ZD6300. Test - QD1 Random Read 4K latency, QD1 Random RW 4K 70% Read latency, QD1 Random Write 4K latency using FIO 2.15.

Copyright © 2017 Intel Corporation. All rights reserved. Intel, Xeon, Optane, and the Intel logo are trademarks of Intel Corporation in the U.S. and/or other countries.

*Other names and brands may be claimed as the property of others.