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# Intel® Optane™ SSD DC P4800X Series

750GB, 2.5in PCIe x4, 3D XPoint™

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### Specifications

#### Essentials

Performance

Reliability

Supplemental Information

Package

Specifications

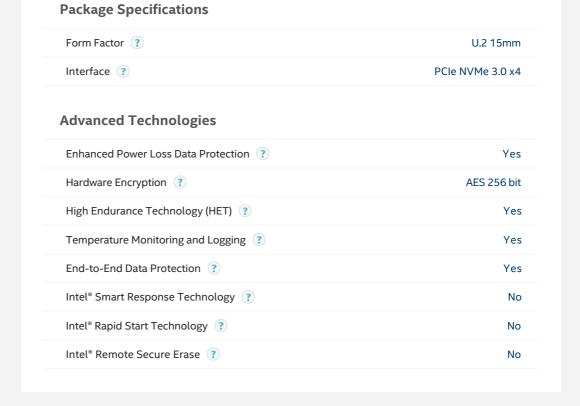
Advanced Technologies

## Ordering and Compliance

Compatible products

Downloads and Software

Product Collection	Intel® Optane™ SSD DC P4800X Series
Code Name	Products formerly Cold Stream
Capacity	750 GE
Status	Launched
Launch Date 🔞	Q4'17
Performance	
Sequential Read (up to) 🔞	2500 MB/s
Sequential Write (up to) ?	2200 MB/s
Random Read (100% Span) 🔞	550000 IOPS
Random Write (100% Span) 🔞	550000 IOPS
Latency - Read 😯	10 μs
Latency - Write ?	10 μs
Power - Active ?	18 W
Power - Idle ?	6 W
Reliability	
Vibration - Operating ?	2.17 GRMS
Vibration - Non-Operating ?	3.13 GRMS
Shock (Operating and Non-Operating) 👔	1000 G/0.5 msec
Operating Temperature Range	0°C to 70°C
Endurance Rating (Lifetime Writes) ?	41.0 PBW (30DWPD), 82.0 PBW (60DWPD
Mean Time Between Failures (MTBF) 🔞	2 million hours
Uncorrectable Bit Error Rate (UBER) 🔞	1 sector per 10^17 bits read
Warranty Period	5 yrs



More support options for Intel® Optane™ SSD DC P4800X Series (750GB, 2.5in PCIe x4, 3D XPoint™)





Downloads and Software



**Support Community** 



Warranty and Replacement



# Need more help?

**Contact support** 



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

Intel® Rapid Start Technology requires a select Intel® processor, Intel® software and BIOS update, and a Solid-State Drive (SSD) or hybrid drive. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

Intel® Smart Response Technology requires a select Intel® Core™ processor, an enabled chipset, Intel® Rapid Storage Technology software, and a properly configured hybrid drive (HDD + small SSD). Depending on system configuration, your results may vary. Contact your system manufacturer for more information.



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