



Intel® SSD DC P4610 Series

7.6TB, 2.5in PCIe 3.1 x4, 3D2, TLC

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Essentials

⬇ Export specifications

Product Collection	Intel® SSD DC P4610 Series
Code Name	Products formerly Cliffdale Refresh
Capacity	7.68 TB
Status	Launched
Launch Date	Q2'18
Lithography Type	64-Layer 3D TLC NAND
Use Conditions	Server/Enterprise

Performance

Sequential Read (up to)	3200 MB/s
Sequential Write (up to)	3200 MB/s
Random Read (100% Span)	651000 IOPS
Random Write (100% Span)	219000 IOPS
Latency - Read	77 µs
Latency - Write	18 µs
Power - Active	15W
Power - Idle	5W

Reliability

Vibration - Operating	2.17GRMS
Vibration - Non-Operating	3.13GRMS
Shock (Operating and Non-Operating)	1000G
Operating Temperature Range	0°C to 55°C
Endurance Rating (Lifetime Writes)	44.25PBW
Mean Time Between Failures (MTBF)	2 million hours
Uncorrectable Bit Error Rate (UBER)	1 sector per 10 [^] -17 bits read
Warranty Period	5 yrs

Package Specifications

Weight

139g

Form Factor 

U.2 15mm


Interface 

PCIe NVMe 3.1 x4

Advanced Technologies

Enhanced Power Loss Data Protection 

Yes

Hardware Encryption 

AES 256 bit

High Endurance Technology (HET) 

Yes

Temperature Monitoring and Logging 

Yes

End-to-End Data Protection 

Yes

More support options for Intel® SSD DC P4610 Series (7.6TB, 2.5in PCIe 3.1 x4, 3D2, TLC)



Product Support



Downloads and Software



Support Community



Warranty and
Replacement



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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.

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