



Intel® SSD DC P3500 Series

(400GB, 2.5in PCIe 3.0, 20nm, MLC)

Specifications

Essentials

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Specifications

Essentials	
Status	Launched
Launch Date	Q1'15
Sequential Read	2200 MB/s
Sequential Write	1000 MB/s
Random Read (100% Span)	420000 IOPS
Random Write (100% Span)	23000 IOPS
Latency - Read	20 µs
Latency - Write	20 µs
Power - Active	12
Power - Idle	4W
Vibration - Operating	2.17 GRMS
Vibration - Non-Operating	3.13 GRMS
Shock (Operating and Non-Operating)	1000 G/0.5msec
Operating Temperature Range	0°C to 35°C
Weight	up to 115gm
Endurance Rating (Lifetime Writes)	219 TBW
Mean Time Between Failures (MTBF)	2,000,000 Hrs
Uncorrectable Bit Error Rate (UBER)	less than 1 sector per 1e17 bits read
Warranty Period	5 yrs
Datasheet	Link
Product Brief	Link
Additional Information URL	Link
Recommended Customer Price	N/A

Package Specifications	
Capacity	400 GB
Form Factor	2.5" 15mm
Interface	PCIe NVMe 3.0 x4
Lithography Type	20nm

Advanced Technologies	
Enhanced Power Loss Data Protection	Yes
High Endurance Technology (HET)	No
Temperature Monitoring and Logging	Yes
End-to-End Data Protection	Yes

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PCN/MDDS Information

937519: PCN | MDDS

939931: PCN | MDDS

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

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

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