



Intel® SSD DC S3520 Series

150GB, M.2 80mm SATA 6Gb/s, 3D1, MLC

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 Export specifications

Product Collection	Intel® SSD DC S3520 Series
Code Name	Products formerly Downieville
Capacity	150 GB
Status	Launched
Launch Date 	Q1'17
Lithography Type	16nm 3D NAND
Recommended Customer Price 	N/A

Performance

Sequential Read (up to) 	170 MB/s
Sequential Write (up to) 	140 MB/s
Random Read (8GB Span) (up to) 	40000 IOPS
Random Write (8GB Span) (up to) 	27500 IOPS
Latency - Read 	44 µs
Latency - Write 	56 µs
Power - Active 	2 W
Power - Idle 	600 mW



Reliability

Vibration - Operating 	2.17 GRMS (5-700 Hz)
Vibration - Non-Operating 	3.13 GRMS (5-800 Hz)
Shock (Operating and Non-Operating) 	1000G/0.5ms
Operating Temperature Range	0°C to 70°C
Endurance Rating (Lifetime Writes) 	412 TBW
Mean Time Between Failures (MTBF) 	2 Million hours
Uncorrectable Bit Error Rate (UBER) 	1 sector per 10^17 bits read
Warranty Period	5 yrs








Supplemental Information

Product Brief	View now
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Package Specifications

Weight	9 grams +/- 1 gram
Form Factor 	M.2 22 x 80mm
Interface 	SATA 3.0 6Gb/s

Advanced Technologies

Enhanced Power Loss Data Protection 	Yes
Hardware Encryption 	AES 256 bit
High Endurance Technology (HET) 	No
Temperature Monitoring and Logging 	Yes
End-to-End Data Protection 	Yes
Intel® Smart Response Technology 	No
Intel® Rapid Start Technology 	No

More support options for Intel® SSD DC S3520 Series (150GB, M.2 80mm SATA 6Gb/s, 3D1, MLC)



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.

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

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