



Intel® SSD DC S3520 Series

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



Specifications

Essentials

Performance

Reliability

Supplemental Information

Package Specifications

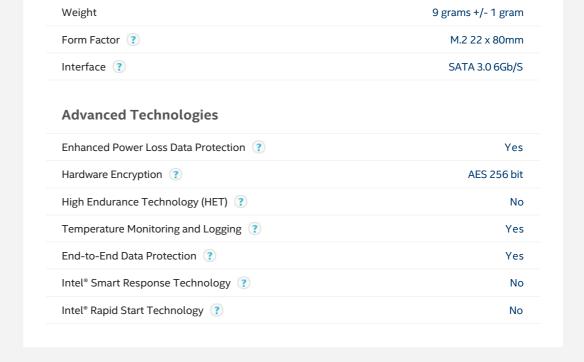
Advanced Technologies

Ordering and Compliance

Compatible Products

Downloads and Software

Essentials	Export specification
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



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





Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

Intel classifications are for informational purposes only and consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company as an importer and/or exporter is responsible for determining the correct classification of your transaction.

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.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

