



Intel® SSD 540s Series

120GB, 2.5in SATA 6Gb/s, 16nm, TLC

- Specifications
- Ordering and Compliance

Ordering and spec information

Intel® SSD 540s Series (120GB, 2.5in SATA 6Gb/s, 16nm, TLC) Reseller Single Pack

Ordering Code

SSDSC2KW120H6X1

Trade compliance information

ECCN	5A992C
CCATS	G160321
US HTS	8523510000

PCN/MDDS Information

948800

PCN | MDDS

Downloads and Software

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.



Intel® SSD 540s Series

180GB, M.2 80mm SATA 6Gb/s, 16nm, TLC

Add to Compare

Specifications

- Essentials
- Performance
- Reliability
- Supplemental Information
- Package Specifications
- Advanced Technologies

Ordering and Compliance

Downloads and Software

Export specifications

Essentials

Product Collection	Intel® SSD 540s Series
Code Name	Products formerly Loyd Star
Capacity	180 GB
Status	Launched
Launch Date	Q1'16
Lithography Type	16nm
Recommended Customer Price	N/A

Performance

Sequential Read (up to)	560 MB/s
Sequential Write (up to)	475 MB/s
Random Read (8GB Span) (up to)	71000 IOPS
Random Write (8GB Span) (up to)	85000 IOPS
Latency - Read	50 µs
Latency - Write	50 µs
Power - Active	80 mW Typical
Power - Idle	40 mW Typical

Reliability

Vibration - Operating	2.17 GRMS (5-700Hz)
Vibration - Non-Operating	3.13 GRMS (5-800Hz)
Shock (Operating and Non-Operating)	1000 G/0.5 ms
Operating Temperature Range	0°C to 70°C
Mean Time Between Failures (MTBF)	1.6 Million Hours
Uncorrectable Bit Error Rate (UBER)	<1 sector per 10^16 bits read
Warranty Period	5 yrs

Supplemental Information

Datasheet	View now
-----------	--------------------------

Package Specifications

Form Factor	M.2 22 x 80mm
Interface	SATA 3.0 6Gb/s

Advanced Technologies

Enhanced Power Loss Data Protection	No
Hardware Encryption	AES 256 bit
High Endurance Technology (HET)	No
Temperature Monitoring and Logging	No

End-to-End Data Protection 	No
Intel® Smart Response Technology 	Yes
Intel® Rapid Start Technology 	Yes

More support options for Intel® SSD 540s Series (180GB, M.2 80mm SATA 6Gb/s, 16nm, TLC)



Product Support



Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



Give Feedback

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.



[Company Information](#) [Our Commitment](#) [Communities](#) [Investor Relations](#) [Contact Us](#) [Newsroom](#) [Jobs](#)



[© Intel Corporation](#) | [Terms of Use](#) | [*Trademarks](#) | [Privacy](#) | [Cookies](#) | [Supply Chain Transparency](#) | [Site Map](#)