



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

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Intel® SSD 540s Series

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

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Performance

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Package Specifications

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Essentials

 Export specifications

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
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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

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



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