



Intel® SSD DC S4500 Series

240GB, 2.5in SATA 6Gb/s, 3D1, TLC

Add to Compare

Specifications

Essentials

Performance

Reliability

Package Specifications

Advanced Technologies

Ordering and Compliance

Compatible Products

Export specifications

Essentials

| | |
|----------------------------|-------------------------------|
| Product Collection | Intel® SSD DC S4500 Series |
| Code Name | Products formerly Youngsville |
| Capacity | 240 GB |
| Status | Launched |
| Launch Date | Q3'17 |
| Lithography Type | 3D NAND TLC |
| Recommended Customer Price | N/A |

Performance

| | |
|--------------------------|------------|
| Sequential Read (up to) | 500 MB/s |
| Sequential Write (up to) | 190 MB/s |
| Random Read (100% Span) | 69000 IOPS |
| Random Write (100% Span) | 16000 IOPS |
| Latency - Read | 36 µs |
| Latency - Write | 36 µs |
| Power - Active | 2.6W |
| Power - Idle | 0.9W |









Reliability

| | |
|-------------------------------------|---|
| Vibration - Operating | 2.17 GRMS |
| Vibration - Non-Operating | 3.13 GRMS |
| Shock (Operating and Non-Operating) | 1000 G/0.5 msec |
| Operating Temperature Range | 0°C to 70°C |
| Endurance Rating (Lifetime Writes) | 0.62 PBW |
| Mean Time Between Failures (MTBF) | 2 million hours |
| Uncorrectable Bit Error Rate (UBER) | 1 sector per 10 ¹⁷ bits read |
| Warranty Period | 5 yrs |

Package Specifications

| | |
|-------------|----------------|
| Form Factor | 2.5" 7mm |
| 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 |
| Intel® Remote Secure Erase  | No |

More support options for Intel® SSD DC S4500 Series (240GB, 2.5in SATA 6Gb/s, 3D1, 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.

"Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

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](#)



