



Intel D3-S4510 Series 240GB SSD M.2 80MM Sata 6GB/S 3D2 Tlc Generic S (SSDSCKKB240G801)

INTEL

\$185.00

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SKU: SSDSCKKB240G801

Product Description

Manufacturer # Intel | **Model #** SSDSCKKB240G801

Intel D3-S4510 Series 240GB SSD M.2 80MM Sata 6GB/S 3D2 Tlc Generic S (SSDSCKKB240G801) Product Collection - Intel® SSD D3-S4510 Series, Code Name - Products formerly Youngsville Refresh, Capacity - 240 GB, Status - Launched.

Manufacturer Warranty: 5 years

At the Intel® SSD Data Center Tool is a drive management tool for SATA & PCIe* in the Intel® SSD Data Center Family. Among other features, the tool is able to: Detect PCIe/NVMe- and SATA-based Intel® SSD Data Center devices attached to a host system. Parse an Intel® SSD's SMART (Self-Monitoring and Reporting Technology) information. Update Intel® SSD firmware: When drive information is displayed, the tool will indicate if a new firmware release is available. The tool doesn't update firmware on Engineering Sample (ES) drives.

The screenshot shows the Intel website product page for the Intel® SSD D3-S4510 Series. The page includes a navigation bar with 'Products', 'Solutions', and 'Support' links, and the Intel logo. The main content area features a sidebar with navigation options like 'Specifications', 'Essentials', 'Performance', 'Reliability', 'Supplemental Information', 'Package Specifications', 'Advanced Technologies', 'Ordering and Compliance', 'Compatible Products', and 'Downloads and Software'. The main content area is divided into sections: 'Essentials', 'Performance', 'Reliability', 'Supplemental Information', 'Package Specifications', and 'Advanced Technologies'. Each section contains a table of specifications.

Essentials	
Product Collection	Intel® SSD D3-S4510 Series
Code Name	Products formerly Youngsville Refresh
Capacity	240 GB
Status	Launched
Launch Date	Q1'19
Lithography Type	3D NAND TLC
Use Conditions	Server/Enterprise

Performance	
Sequential Read (up to)	555 MB/s
Sequential Write (up to)	275 MB/s
Random Read (100% Span)	87000 IOPS
Random Write (100% Span)	16000 IOPS
Latency - Read	34 µs
Latency - Write	36 µs
Power - Active	2.2
Power - Idle	0.8

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)	0.85 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

Supplemental Information	
Additional Information URL	View now

Package Specifications	
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
Intel® Remote Secure Erase	No