

Intel Solid-State Drive DC S3110 Series - SSD - 256 GB - SATA 6Gb/s



12-05-2024

SKU	SSDSCKKI256G801
Product Description:	Intel Solid-State Drive DC S3110 Series - SSD - 256 GB - SATA 6Gb/s
Type:	Solid state drive - internal
Capacity:	256 GB
Hardware Encryption:	Yes
Encryption Algorithm:	256-bit AES
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	M.2 2280



General

Device Type: Solid state drive - internal

Capacity: 256 GB

Hardware Encryption: Yes

Encryption Algorithm: 256-bit AES

NAND Flash Memory Type: 3D triple-level cell (TLC)

Form Factor: M.2 2280

Interface: SATA 6Gb/s

Features: End-to-end data protection, Rapid Start Technology, 3D NAND Technology, Intel Smart Response Technology(ISRT), 256-bit AES

Performance

SSD Endurance: 144 TB

Drive Transfer Rate: 600 MBps (external)

Internal Data Rate: 550 MBps (read) / 280 MBps (write)

4KB Random Read: 75000 IOPS

4KB Random Write: 4000 IOPS

Average Latency: 50 µs

Environmental Parameters

Min Operating Temperature: 0 °C

Max Operating Temperature: 70 °C

Shock Tolerance (operating): 1500 g @ 0.5 ms

Shock Tolerance (non-operating): 1500 g @ 0.5 ms

Vibration Tolerance (operating): 2.17 g

Vibration Tolerance (non-operating): 3.13 g

Manufacturer Warranty

Service & Support: Limited warranty - 5 years

Power

Power Consumption: 2.1 Watt (active) | 0.7 Watt (idle)

Expansion & Connectivity

Interfaces: 1 x SATA 6 Gb/s - M.2 Card

Compatible Bay: M.2 2280

Reliability

MTBF: 1,600,000 hours

Non-Recoverable Errors: 1 per 10^16

