

5 yrs

139g









Intel® SSD DC P4510 Series

Warranty Period

Weight

Package Specifications

1.0TB, 2.5in PCle 3.1 x4, 3D2, TLC

Add to Compare

Specifications

Essentials

Performance

Reliability

Package

Specifications

Advanced Technologies

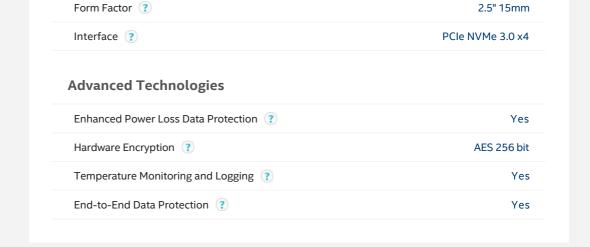
Ordering and

Compliance

Compatible products

Downloads and Software

| Essentials | Export specification |
|---------------------------------------|-------------------------------------|
| Product Collection | Intel® SSD DC P4510 Series |
| Code Name | Products formerly Cliffdale Refresh |
| Capacity | 1 TB |
| Status | Launched |
| Launch Date ? | Q3'17 |
| Lithography Type | 64-Layer 3D TLC NAND |
| Performance | |
| Sequential Read (up to) 🔞 | 2850 MB/s |
| Sequential Write (up to) ? | 1100 MB/s |
| Random Read (100% Span) 🕐 | 465000 IOPS |
| Random Write (100% Span) 🕐 | 70000 IOPS |
| Latency - Read ? | 77 μs |
| Latency - Write ? | 18 μs |
| Power - Active ? | 10 |
| Power - Idle ? | 5 |
| Reliability | |
| Vibration - Operating ? | 2.17GRMS(5-700MHz) |
| Vibration - Non-Operating ? | 3.13GRMS(5-800MHz) |
| Shock (Operating and Non-Operating) ? | 1000G(0.5ms) |
| Operating Temperature Range | 0°C to 70°C |
| Endurance Rating (Lifetime Writes) ? | 1.92 PBW |
| Mean Time Between Failures (MTBF) 🔞 | 2.0 Million Hours |
| Uncorrectable Bit Error Rate (UBER) 👔 | 1E-17 |



More support options for Intel® SSD DC P4510 Series (1.0TB, 2.5in PCIe 3.1 x4, 3D2, TLC)





Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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