

PRODUCT BRIEF

Intel® Solid-State Drive 730 Series

Non-Volatile Memory Storage Solutions from Intel

Intel Data Center DNA = Extreme Endurance & Performance Consistency

Intel® SSD 730 Series also delivers excellent endurance to support the needs of the most demanding client usages. Support for up to 70GB writes per day for five years (compared to the industry typical 20GB) provides piece of mind for digital content creators and PC enthusiasts who demand dependable up-time from their workstations and gaming rigs. The Intel SSD 730 Series drive also brings greater performance consistency to the client market in both single drive and multiple drive RAID arrays. Intel's advanced firmware algorithms allow Intel to deliver client SSDs with "data center" efficiency and dependability throughout the life of the drive.

Solid-State Computing Starts with Intel Inside®. For more information, visit www.intel.com/go/ssd

| Technical Specifications ¹ | | | | | | |
|---|---|---|-------|---------|-------|-------|
| Model Name | Intel® Solid-State Drive 730 Series | | | | | |
| Capacity | 2.5": 240GB & 480GB | | | | | |
| NAND Flash Memory | 20nm Intel® NAND Flash Memory Multi-Level Cell (MLC) Compute-Quality Components | | | | | |
| Bandwidth ² | Sustained Sequential Reads / Writes | 2 Drive RAID-0 | | | | |
| | 240GB: up to 550 / 270 MB/s | 240GB: up to 1020 / 530 MB/s | | | | |
| | 480GB: up to 550 / 470 MB/s | 480GB: up to 1020 / 910 MB/s | | | | |
| Read / Write Latency | 50 µs / 65 µs | | | | | |
| Random I/O Operations per Second ² | 4KB Reads / Writes | 2 Drive RAID-0 | | | | |
| | 240GB: up to 86,000 IOPS / 56,000 IOPS | 240GB: up to 136,000 IOPS / 136,000 IOPS | | | | |
| | 480GB: up to 89,000 IOPS / 74,000 IOPS | 480GB: up to 168,000 IOPS / 145,000 IOPS | | | | |
| Interface | SATA 6Gb/s, compatible with SATA 3Gb/s and 1.5Gb/s. | | | | | |
| Form Factor, Height and Weight | Form Factor 2.5" | Height/Weight Up to 7mm / up to 78 grams | | | | |
| Life Expectancy | 1.2 million hours Mean Time Between Failures (MTBF) | | | | | |
| Lifetime Endurance ³ | 240GB - 50GB Writes per Day; | 480GB - 70GB Writes per Day | | | | |
| Usage ⁵ | 24/7 operation | | | | | |
| Power Consumption ⁴ | 12V | 240GB | 480GB | 5V | 240GB | 480GB |
| | Active: | 3.8W | 5.5W | Active: | 3.8W | 5.0W |
| | Idle: | 1.5W | 1.5W | Idle: | 1.2W | 1.3W |
| Operating Temperature | 0° C to 70° C | | | | | |
| RoHS Compliance | Meets the requirements of European Union (EU) RoHS Compliance Directives | | | | | |
| Product Ordering Information | To order, visit intel.com/go/ssd | | | | | |

¹ Based on the Intel® SSD DC 730 Series Product Specification.

² Device measured using Iometer with 4K Random Writes QD=32 across 100% span of the drive. Latency measured using write transfer size of 4KB (4,096 bytes) and queue depth set to 1.

³ Based on JESD218 standard with JESD219 workload based on JESD SSD standard

⁴ Based on JESDEC SSD standard JC64.8

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