

Swissbit D1200: Highest performance PCIe SSD for I/O-intensive applications



Key Benefits

- Highest steady state performance over the entire lifetime of the SSD.
- Extended NVMe features for highest QoS and cybersecurity protection.
- Consistently high IOPS, throughput and sustained low latency.
- Up to 1.7 DWPD for 5 years endurance.

The Swissbit D1200 SSD is optimized for workloads demanded by applications including databases, cloud computing, media streaming or artificial intelligence (AI). It combines outstanding performance values, reliability and an extended NVMe feature set, including security functions for demanding cloud applications.

Compared to existing mainstream data center SSDs, which are prone to significant performance degradation, the D1200 delivers the highest sustained system performance over its lifetime. In addition, features including Full Data Path Protection, NVMe-MI for out-of-band-management and Secure Boot are available to protect critical data and guarantee system security. The D1200 is available with storage capacities of 7.68 TB and 15.4 TB.

Swissbit D1200 Product Series

The U.3 SSD is based on enterprise-grade 3D-TLC-NAND (eTLC), is backwards compatible with U.2, and has both a 4-lane PCIe and NVMe 1.4 interface. As a result, it achieves bandwidths of up to 6,900 MB/s for sequential reads and 7,000 MB/s for sequential writes. Up to 1.6 million IOPS for reads and 900,000 IOPS for writes are possible with Random Access.

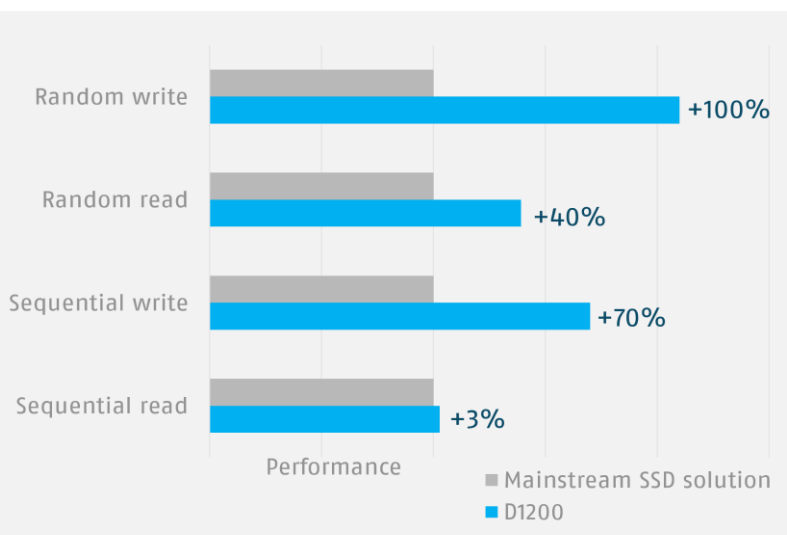
With support for up to 128 namespaces, D1200 provides high flexibility and efficiency for virtualizing cloud applications and managing data in data centers.

Its endurance values are at least 1.5 DWPD (Drive Writes Per Day), when measured against a standardized workload (JEDEC Enterprise Workload) over a 5-year period.

The SSD also includes many more features that enhance data security even further. These include Full Data Path Protection, NVMe-MI for out-of-band-management, telemetry, Persistent Event Log and AES-data-encryption. By verifying firmware integrity and encryption before loading, Secure Boot adds an additional layer of security.

Applications

- Big Data
- High Performance Computing
- Cloud Computing
- Virtualization
- Artificial Intelligence
- Banking / High-frequency trading



D1200 Datacenter SSD

Form factor	U.3 15mm
Density	8TB and 16TB
NAND	Latest generation eTLC (enterprise grade) 3D NAND
Interface	PCIe 4.0, Gen4 x4, NVMe 1.4

The D1200 features the highest steady-state performance over the entire lifetime of the SSD.