Store. Secure. Trust.

swissbit®

With the Swissbit SSD Your Cloud Application Runs Smoother, Faster and Longer

✓ Higher steady state performance
✓ Higher endurance
✓ Lower latency

Optimized for your specific workload!

A staggering amount of cloud applications, each with an ever increasing individual complexity is covered by one-size-fits-all SSD solutions provided by the mainstream market.

Under real world workloads, a standard Data Center SSD degrades by 50-75% over a period of 4-10 months. Hence there is significant potential to improve efficiency:

	Mainstream market SSD	Swissbit SSD
Performance	Optimized for FoB peak performance Inconsistent performance over the lifetime of the SSD	2x - 5x times better consistent steady state performance over the entire lifetime of the SSD
Endurance	Datasheet endurance not achievable in real life circumstances	2x greater SSD endurance compared to mainstream-market solutions
Latency	Unpredictable latency behavior with significant spikes impacting application responsiveness	Consistent low latency resulting in reliable and predictable service levels
Use case	One-size-fits-all	Customization for individual use cases and applications

Made in Germany

Big Data

Video Streaming & Production

Machine Learning

Artificial Intelligence & Machine Learning

IoT

Computational Storage

Lower Operations Cost

✓ Designed to robustness
✓ Endurance optimized
✓ High sustained performance

Lower Life-time Cost

✓ Reduced maintenance cost
✓ Lower cost per rack unit
✓ Better performance ratio
✓ Best-in-class service & support

Reduced Business Spending

✓ Increasing number of customer applications on same rack space
✓ Increased revenue per rack space
✓ Reduced capital spending for maintaining high performance

How can I benefit from the Swissbit service and support?

Step 1 – Know your workload:

Get in touch with the Swissbit Data Center team to parameter your individual workload profile. Most likely it will fit into an already predefined workload cluster.

You don't know your real workload? No problem → benefit from an optional workload analysis to learn more about your individual use case.

Step 2 – Test and trial:

Based on your individual use case Swissbit can provide you with a tailored SSD firmware that exceeds your current SSD solution on:
- Sustained steady state performance
- Endurance/lifetime
- Latency
- Lifetime costs

Step 3 – See your investment paying off:

The Swissbit N4200 is specifically designed and optimized for typical Data Center workloads. It delivers 2x – 5x better consistent steady state performance with a steady state, consistent latency, and endurance over its life under Real World, Complex Workloads without any host modifications.
Realize 2x greater drive endurance resulting in a significant reduction in drive replacements over the life of the platform.

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Swissbit N4200

Form factor	2.5″, U.3
Density	8TB – 16TB, Enterprise grade eTLC 3D NAND
Interface	PCIe 4.0, Gen4 x4, NVMe 1.4
Performance	Up to 8,000 MB/s bandwidth
Data Center SSD grade features, plus:	Modular flash firmware architecture: optimized firmware to specific customer workload profiles High reliability QoS for Performance and Latency Consistency, Consistent Performance and Latency over life with complex mixed workloads

About Swissbit

Swissbit AG is the leading European manufacturer of storage, security and embedded IoT solutions for demanding applications. As trusted partner Swissbit empowers the digital and connected world by reliably storing and protecting data in industrial, security and IoT applications.