

Top Five Reasons

To Deploy IntelliFlash™ N-Series

Non-Volatile Memory Express (NVMe™) is now a well-established technology that empowers enterprise applications with native flash performance by eliminating legacy interface bottlenecks.

The IntelliFlash N-Series is a battle-tested solution that delivers consistent, scalable performance to successfully drive your business, whether it's a few apps that need a performance boost or business-critical workloads that demand the fastest and most reliable NVMe technology available. The N6000, an enhanced leading-edge IntelliFlash product line, is based on the industry's most mature NVMe platform from DDN, which manages data for the most demanding high-performance workloads on the planet. Any workload, running in virtualized and non-virtualized environments, with structured or unstructured data, can now benefit from accelerated transactions and simplified operations on a fault-tolerant IntelliFlash architecture.

Enterprises can also fully utilize the strength of NVMe for both high-performance and hybrid workloads – balancing speed and cost-efficient capacity. High performance with ultra-low latency at scale, combined with AI-driven analytics and autonomous workload optimization make IntelliFlash N-Series the storage platform of choice to power your most valuable workloads.

01

AUTO-PERFORMANCE OPTIMIZATION

Consistent Throughput - No IO Contention

IntelliFlash N-Series is the product of choice to drive your performance-sensitive workloads without compromise. You get a proven enterprise-class NVMe storage architecture that's ideal for real-time analytics, high-transaction processing workloads, and business applications. You can reduce latency, increase throughput and turbo-charge your performance with a fully optimized IntelliFlash software stack and innovative NVMe flash management. Count on automatic workload isolation to eliminate IO contention and patented intelligent caching to give your apps ultra-fast data access – even at multi-petabyte scale.

02

NON-DISRUPTIVE SERVICE DELIVERY

Fully Redundant Battle-Tested Architecture

Today's enterprise applications are expected to be accessible at any time, with little-to-no tolerance for slowdowns or outages. IntelliFlash N-Series systems let your IT and business leaders sleep at night, knowing they've got the industrial strength reliability needed for always-on workloads. These systems are built on a fault-tolerant, self-healing architecture that runs the most demanding workloads in the world and is designed to eliminate any single point of failure. In addition, advanced analytics and deep application-level visibility help IT immediately pinpoint bottlenecks, rapidly resolve issues, and proactively avoid failures.

03

DYNAMIC DATA MOBILITY

Hybrid Cloud Management and Protection

Forward looking organizations need flexible data management solutions with different deployment models to optimize resource efficiency, scale and control. To meet this need, the IntelliFlash N-Series offers simplified hybrid cloud management and data mobility between on-premises storage and public clouds.

Our integrated S3 APIs let you replicate local snapshots to the cloud or to any S3-compliant object storage for data protection and fast recovery. An additional, integrated Live LUN Migration (LLM) enables you to transparently move data sets between two IntelliFlash systems for resource optimization. Furthermore, to accelerate data mobility between different storage platforms, our turnkey DataFlow solution lets you plan, execute and validate data migration operations at any scale.

04

OPERATIONAL SIMPLICITY

Unified Storage Reduces Management Effort

As enterprise data continues to grow exponentially, organizations are under constant pressure to optimize their storage investments. IntelliFlash N-Series systems optimize storage resources and simplify management by supporting SAN (iSCSI, FC) and NAS (NFS, SMB3) protocols, concurrently, in both physical and virtualized environments. These unified storage systems are among the most versatile and easiest to manage in the industry, enabling administration by non-storage experts and including all features under a single license. IntelliFlash systems are also application-, VM- and container-aware, providing integrated management with VMware, Microsoft, Citrix, Oracle and Kubernetes technologies to simplify provisioning, backups, disaster recovery, cloning and more.

05

AI-DRIVEN ANALYTICS AND EFFICIENCY

Precise Intelligent Resource Planning

Your most demanding workloads deserve uncompromised performance – especially when they are key to your business success. IntelliFlash N-Series combines the power of NVMe, software-optimized flash management, and robust enterprise data services and analytics. This delivers exceptional performance at low latency with scalable capacity to accelerate your most demanding workloads.

Instead of managing multiple silos from different storage vendors, you can deploy IntelliFlash N-Series and select NVMe or other flash expansion shelves as dictated by your application performance, capacity, and economic requirements. Plus, you can manage all your IntelliFlash systems with the same administrative workflows and easy-to-use GUI.

For more information on how DDN IntelliFlash systems can turbo-charge your business success with simplified Intelligent Infrastructure, visit www.pny.com/en-eu/.



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