



Highlights

- Recognized as a Leader (Visionary) in the Gartner Magic Quadrant
- High performance at microsecond latency
- 500TB* effective flash capacity in 1 Rack Unit (RU)
- Live Migration from IntelliFlash hybrid flash and all-flash systems
- Same operating environment across the entire IntelliFlash portfolio
- All-inclusive, perpetual software license included

Applications

- Tier-1 Business Critical
- Real-Time Transactions
- Artificial Intelligence
- Deep Analytics
- Machine Learning

Enterprise NVMe™ Flash Arrays

As enterprises continue to evolve in a highly competitive market place, they will be required to make real-time transactions and business decisions. To transact business in real time, enterprises will depend on their storage infrastructure to store and deliver data at very low latency. These enterprises will also rely on data they've collected, but has been dormant until this day, to make key business decisions. Your data demands a next-generation storage infrastructure to accelerate your business. With IntelliFlash™ NVMe flash arrays, you are prepared for today's performance requirements and future data-centric application environments.

Western Digital's IntelliFlash N-Series is a unified, NVMe-flash array that enables you to exponentially accelerate enterprise application environments and power business critical environments to deliver more operations than ever before. The N-series also speeds up your structured and unstructured data analysis to unearth insights and turn them into significant business results.

The N-Series expands Western Digital's scope of innovation to encompass software, processing, the latest generation of non-volatile, solid state memory, and NVMe interconnects to embody a Symbiotics Design™ approach. Our portfolio of IntelliFlash storage systems provides the performance, reliability, total cost of ownership, and sustainability demanded by your IT infrastructure.

Powered by the IntelliFlash Operating Environment, the N-Series provides rich enterprise data services and advanced data management techniques to simplify your storage administration. All features are included with every array. Since the same operating environment drives the entire IntelliFlash array portfolio, it means you benefit from years of innovation, validation, and deployment experience with your storage environment.

Combine Your Deployment

Achieve greater flexibility on how you deploy and manage your storage infrastructure by simultaneously accessing your applications via block (FC, iSCSI) and file (NFS, CIFS, SMBv3) protocols. You don't need separate storage silos, file servers or licenses to enable any of these services.

Consolidate Your Storage

Deliver multiple storage classes through all-NVMe and all-flash pools in the same array to balance performance and capacity. Since the administration APIs and workflows are common across the entire portfolio and any storage pool, you don't need to learn multiple tools.

Benefits

Increase your storage efficiency and drive down your overall storage infrastructure costs with inline deduplication and compression. In addition to the CAPEX savings, as you aggregate your application environments in to a single storage system and apply data reduction techniques, you also reduce your OPEX expenses.



POWERED BY
INTELLIFLASH OPERATING
ENVIRONMENT



PREDICTIVE ANALYTICS
WITH INTELLICARE™



REFRESHED FOR LIFE
WITH AVAILABLE LIFETIME
STORAGE

IntelliFlash N-SERIES STORAGE ARRAYS

DATA SHEET

INTELLIFLASH N-SERIES STORAGE ARRAYS

Specifications

Models	N5200	N5240	N5280	N5800	N5840	N5880
Controllers	Dual-Active Controller Architecture					
Memory (GB)	736			1,440		
Processors	16 Cores per CPU (64 Total)			20 Cores per CPU (80 Total)		
Storage Capacity						
NVMe Flash (TB) †	23 to 184	92	184	19 to 154	77	154
SAS Flash (TB)	N/A	553	1106	N/A	553	1106
Effective Capacity (TB) ‡	86 to 691	2611	5222	72 to 576	2515	5030
Physical						
Form Factor (RU)	2U	10U	10U	2U	10U	10U
Weight (Lbs)	65	545	545	65	545	545
Power (Watts)	900	2208	2208	1000	2308	2308
Software Services						
Protocols	SAN Protocols (iSCSI, Fibre Channel), NAS Protocols (NFS, CIFS, SMB 3.0)					
Data Services	Inline deduplication and compression, space efficient thin provisioning, snapshots and clones, remote replication, application-aware provisioning					
Management	Web browser, plug-ins for VMware vCenter and Microsoft System Center VMMManager, SSH, IP-KVM, SNMP					
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media					
Network Connectivity						
Storage Connectivity	16 and 8 Gbps Fibre Channel; 40GE, 10GE Copper/Fibre, and 1 Gbps Ethernet					
Warranty						
Basic	24x7 support via email and phone, next business day hardware replacement for defective parts and software updates for the first 90 days.					
Optional	Premier and Lifetime Storage support.					

†Values indicated are RAW capacity. One MB is equal to one million bytes, one GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes) when referring to storage capacity. Accessible capacity will vary from the stated capacity due to formatting and partitioning of the hard drives, the operating system and other factors

‡ Effective capacity assumes capacity after data protection, metadata overhead, and includes the benefit of data reduction with inline deduplication and compression. Data Reduction is calculated at 5-to-1. Where a range is present, the values are Min – Max.

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