

## Mixed Media Scalability – Performance and Capacity Expansion Choice

The Tintri IntelliFlash N-Series intelligent infrastructure is a fourth-generation storage solution that delivers an exceptional user experience through automation, analytic insights, and a variety of time-saving management features to drive your most valuable workloads in today's data centers.



As your business needs grow, Tintri provides choice in scaling your N-Series NVMe™ capacity. You can select from high-performance NVMe SSDs or cost-efficient SAS SSDs expansion shelves, or both, to deliver the optimum capacity that meets your needs while maintaining your desired performance level.

Each expansion shelf delivers the same proven innovation in flash management, data persistence, and data management as the N-Series controller so you will maintain unprecedented levels of consolidation, simplicity, and economics. Exceptional performance at low latency, flexibility at scale, and comprehensive data services make IntelliFlash N-Series expansion the choice for growing enterprise workloads. Experience different!

### Features

- Flexibility in Capacity Expansion – NVMe- and SAS-based flash expansion to optimize performance and value.
- Cloud-Based Intelligent Analytics – Visibility across all IntelliFlash systems, with insights that keep infrastructure operating at peak efficiency and availability
- Unified Storage - Concurrent native block (FC, iSCSI) and file (NFS, SMB3) access
- Comprehensive Data Services – Inline deduplication and compression, snapshots, read/write clones, and thin provisioning
- Live Dataset Migration – Seamless live migration of iSCSI/FC LUNs across IntelliFlash systems
- IntelliFlash S3 Cloud Connector – Hybrid cloud capabilities, enabling connectivity to public cloud or any S3-compatible object storage
- VMware® Support – vCenter® plug-in and integration with VMware SRM and VAAI
- Microsoft Hyper-V Support – PowerShell Toolkit plus SMB3 Enhancements for Hyper-V

### Benefits

- Simplified Management and Analytics – Common GUI management for all IntelliFlash systems
- High Capacity and Scalability – Over 5PB± of effective expansion capacity in a compact 14U footprint
- Affordable Disaster Recovery – Replicate between NVMe-flash, all-flash, and hybrid systems
- Multiple Mixed Workloads – Support bare metal applications along with certified configurations for Oracle, Microsoft, VMware and many other environments.
- Hybrid Cloud – Back up local snapshots to the cloud or quickly migrate volumes for bring-up on any S3-compliant object storage.
- Reduced OPEX – With a platform that is energy efficient, offers inline data reduction, and is easy to maintain, so you can save on power, cooling, and labor.

# IntelliFlash N-Series NVMe Expansion Shelf Specifications

The following all-flash and hybrid flash SAS expansion shelves are supported for use with N-Series NVMe all-flash arrays:

Models	HE-25	HE-50	FE-10	FE-25	FE-50	FE-100	FE-200	FE-400
Shelf Type	Hybrid Flash		All-Flash					
<b>Storage Capacity</b>								
Flash Memory (TB) <sup>1</sup>	1.4	5.6	11.5	23	46	92	184	368
Disk Storage (TB) †	26	52	N/A	N/A	N/A	N/A	N/A	N/A
Effective All-Flash Capacity (TB) <sup>2</sup>			41.4	82.8	165.7	331	662	1325
<b>Physical</b>								
Form Factor (EIA Rack Units)	3U		2U					
Average Power Usage (Watt)	196 (668 BTU/hr)		218 (744 BTU/hr)			314 (1071 BTU/hr)		
Physical Dimensions (WxHxD)	17.2" x 5.25" x 25.25" (437 mm x 134 mm x 642 mm)		17.2" x 3.5" x 25.25" (437 mm x 89 mm x 642 mm)					
Weight	105 lbs (47.6 kg)		80 lbs (36.3 kg) (with 24 NVMe drives)					

<sup>1</sup> 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

<sup>2</sup> 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 80% efficiency.

<sup>3</sup> Based on random performance for midrange fully featured All Flash Arrays NOTES:

N5800 supports a max of 6x 2U, FE-400 All-Flash shelves.

N5200 supports a max of 3x 2U FE-400 All-Flash or a 6x 2U FE-200 shelves. N5100 supports a max of 3x 2U, FE-100 All-Flash shelves.

N5100, N5200, N5800 can also support max 6x 3U Hybrid shelves.

