Tintri IntelliFlash™
H-Series Expansion Shelves

IntelliFlash

High-Density Scalability – On-Demand Capacity and Performance

The IntelliFlash H-Series hybrid flash systems combine the performance of NVMe with the economics of HDDs for a full-service intelligent storage infrastructure that's easy to manage and delivers exceptional value. H-Series systems enable multi-petabyte, multiprotocol environments that support virtualized and non-virtualized SAN and NAS workloads.

As your business needs grow, Tintri gives you the ability to scale capacity and performance for your H-Series systems without compromise. You can add multiple high-performance SAS HDD expansion shelves to deliver the optimum capacity without any performance degradation.

Each expansion shelf delivers the same proven innovation in flash management, data persistence, and data management as the H-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 H-Series expansion the choice for growing enterprise workloads. Experience Different!

Features

- Unified Storage – Native concurrent block (FC, iSCSI) and file (NFS, SMB3) access
- Sustained Performance – High throughput at low latency for mixed workloads
- Cloud-Based Intelligent Analytics – Visibility across all IntelliFlash systems, with insights that keep infrastructure operating at peak efficiency and availability
- 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
- Sustained Performance – High throughput at low latency for mixed workloads
- Comprehensive Data Services – Inline deduplication and compression, snapshots, read/write clones, and thin provisioning
- Affordable Disaster Recovery – Replicate between NVMe-flash, SAS-flash, and hybrid systems
- Synchronous Replication - Provides continuous business continuity and seamless data mobility between any IntelliFlash all-flash or hybrid systems located in different data centers
- VMware® Support – vCenter® plug-in and integration with VMware SRM and VAAI NAS

Benefits

- Microsoft Hyper-V Support – PowerShell Toolkit plus SMB3 Enhancements for Hyper-V
- Maximizes ROI by Supporting Multiple Workloads - Mix bare metal applications along with certified configurations for Oracle, Microsoft, VMware and many other environments.
- Large-Scale File Services – Enterprise grade NAS functionality for both virtualized and non-virtualized environments
- Simplified Management and Analytics – Common GUI across all IntelliFlash systems
- High Capacity and Scalability – Over 25PB‡ of effective hybrid flash capacity in a compact 18RU footprint
- Unified Storage – Native concurrent block (FC, iSCSI) and file (NFS, SMB3) access
- 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 the public cloud or any S3-compliant object storage.
- Scalable Hybrid Performance - Multi-petabyte scalability without performance degradation makes IntelliFlash H-Series an ideal NAS platform for enterprise AI and analytics workloads.
- 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

Tıntrı
Intelligent Infrastructure

Tintri IntelliFlash H-Series Expansion Shelves

Model	H6100†‡			H6200		
	HE-96	HE-192	HE-336	HE-720	HE-1260	HE-1620
Shelf Type	24-Bay SAS HDD Expansion			90-Bay SAS HDD Expansion		
Storage Capacity						
Supported HDD Media Size (TB)	4	8	14	8	14	18
Raw Capacity (TB)†	96	192	336	720	1260	1620
Effective Capacity (TB)‡	384	768	1344	2880	5040	6480
Physical Specifications						
Expansion Shelf Form Factor (EIA Rack Units)	4RU					
Physical Dimensions (HxWxD)	7.0"(H) x 17.2" (W) 27.0" (D) (178mm (H) x 437mm (W) x 686mm (D))			6.9"(H) x 17.56" (W) 42.52" (D) (175.3mm (H) x 446mm (W) x 1080mm (D))		
Weight	60.5lbs (27.4kg) 81lbs (36.7kg) (with 24 drives)			91lbs (41.0kg) 260lbs (118kg) (with 90 drives)		
Environmental Specifications	Operating temperature: 10°C to 35°C (50°F to 95°F) Non-operating temperature: -40°C to 70°C (-40°F to 158°F) Operating relative humidity: 20% to 90% (non-condensing) Non-operating relative humidity: 5% to 95% (non-condensing)					

†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 dual-parity, data protection, and metadata overhead, and includes the benefit of data reduction with inline deduplication and compression. Data Reduction is calculated based on 4:1 ratio. This efficiency can differ based on workload and or expansion shelf configuration. Where a range is present, the values are Min - Max.

†‡ IntelliFlash H6100 expansion shelves are expected to be generally available in Q1 CY2021.

Tintri
Intelligent Infrastructure

| @tintri | www.tintri.com | info@tintri.com |