



Tintr

IntelliFlash™ Product Matrix

IntelliFlash NVMe™ -Flash Storage Systems

Models	N5100-Series	N5200-Series	N5800-Series
Storage Capacity			
NVMe Flash Capacity (TB) †	46 to 92	23 to 184	19 to 154
SAS Flash Expansion Capacity (TB) †	Up to 283	Up to 1105	Up to 2210
Effective All-Flash Capacity (TB) ‡	Up to 1428	Up to 5142	Up to 9284
Storage Controllers	Dual-active/active, fully redundant architecture		
Network Connectivity	16 and 8Gbps Fibre Channel, 40GbE, 10GbE copper/fibre and 1GbE		
Performance	Best-In-class performance ¹		
Physical			
Controller Form Factor (EIA Rack Units)	2RU with 24 NVMe SSD slots		
Typical Power Usage (Watt)	800W (2730BTU/hr)	900W (3070BTU/hr)	1000W (3412BTU/hr)
Physical Dimensions (WxHxD)	17.2" x 3.5" x 24.75" (437mm x 89mm x 628mm)		
Weight	67lbs (30.4kg) (with 24 NVMe drives)		
Environmental Specifications	Operating temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating temperature: -40°C to 60°C (-40°F to 140°F) Operating relative humidity: 8% to 90% (non-condensing) Non-operating relative humidity: 5% to 95% (non-condensing)		
Software Services			
Block and File Protocols	SAN Protocols (iSCSI, Fibre Channel), NAS Protocols (NFS, SMB)		
Capabilities	IntelliFlash Operating Environment: Real-time deduplication and compression, snapshots and clones, space efficient thin provisioning, remote replication, S3 Cloud Connector, Live Dataset Migration, data-in-flight encryption		
Management	IntelliFlash web UI, configuration wizard, Analytics for IntelliFlash, VMware plug-in for vCenter and support for vCenter Linked Mode, RBAC, SRA and VAAI NAS; Microsoft SCVMM/SMI-S, IP-KVM, SNMP, PowerShell Toolkit		
Hardware Availability	Redundant storage controllers, fans, power supplies, and network ports; removable NVMe SSDs, SAS expansion		
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	Standard and Premier Service. Visit tintri.com/intelliflash		

† 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 at 5-to-1. Where a range is present, the values are Min - Max.

¹ Based on random performance for midrange fully featured all-flash arrays

IntelliFlash High-Density Flash Storage Systems

Models	HD2040-Series	HD2080-Series	HD2160-Series
Storage Capacity			
RAW Flash Capacity (TB) [†]	92 to 645	184 to 1290	368 to 2580
Effective All-Flash Capacity (TB) [‡]	339 to 2572	678 to 5142	1325 to 10044
Storage Controllers	Dual-active/active, fully redundant architecture		
Network Connectivity	16 and 8Gbps Fibre Channel; 40GbE, 10GbE copper/fibre, and 1GbE		
Performance	For virtual environments requiring high performance and density		
Physical			
Form Factor	2RU to 14RU		
Typical Power Usage (Watt)	495W (1690BTU/hr) to 1803W (6152BTU/hr)		
Physical Dimensions (WxHxD)	3.5" x 17.2" x 24.75" (89mm x 437mm x 628mm)		
Weight	82lbs (37kg) to 562lbs (255kg)		
Software Services			
Block and File Protocols	SAN protocols (iSCSI, Fibre Channel), NAS protocols (NFS, SMB)		
Capabilities	IntelliFlash Operating Environment: Real-time deduplication and compression, snapshots and clones, space efficient thin provisioning, remote replication, S3 Cloud Connector, Live Dataset Migration, data-at-rest encryption, and data-in-flight		
Management	IntelliFlash web UI, configuration wizard, Analytics for IntelliFlash, VMware plug-in for vCenter and support for vCenter Linked Mode, RBAC, SRA and VAAI NAS; Microsoft SCVMM/SMI-S, IP-KVM, SNMP, PowerShell Toolkit		
Hardware Availability	Redundant storage controllers, fans, power supplies, and network ports; removable SSDs, SAS expansion		
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	Standard and Premier Service. Visit tintri.com/intelliflash		

[†] 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 at 5-to-1. Where a range is present, the values are Min - Max.

IntelliFlash All-Flash Storage Systems

Models	HD2040-Series	HD2080-Series	HD2160-Series
Storage Capacity			
RAW Flash Capacity (TB) [†]	11	23	46
Effective All-Flash Capacity (TB) [‡]	43	86	170
Storage Controllers	Dual-active/active, fully redundant architecture		
Network Connectivity	16 and 8Gbps Fibre Channel, 40GbE, 10GbE copper/fibre and 1GE		
Performance	For virtual environments requiring high-performance		
Physical			
Form Factor	2RU		
Typical Power Usage (Watt)	495W (1690BTU/hr)		
Physical Dimensions (WxHxD)	3.5" x 17.2" x 24.75" (89mm x 437mm x 628mm)		
Weight	82lbs (37kg)		
Software Services			
Block and File Protocols	SAN protocols (iSCSI, Fibre Channel), NAS protocols (NFS, SMB)		
Capabilities	IntelliFlash Operating Environment: Real-time deduplication and compression, snapshots and clones, space efficient thin provisioning, remote replication, S3 Cloud Connector, Live Dataset Migration, data-at-rest encryption, and data-in-flight		
Management	IntelliFlash web UI, configuration wizard, Analytics for IntelliFlash, VMware plug-in for vCenter and support for vCenter Linked Mode, RBAC, SRA and VAAI NAS; Microsoft SCVMM/SMI-S, IP-KVM, SNMP, PowerShell Toolkit		
Hardware Availability	Redundant storage controllers, fans, power supplies, and network ports; removable SSDs, SAS expansion		
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	Standard and Premier Service. Visit tintri.com/intelliflash		

[†] 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.

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IntelliFlash Hybrid Storage Systems

Models	T4100	T4200	T4630	T4730	T4760	T4860
Storage Capacity						
Flash RAW Capacity (TB) [†]	1.4 to 8.6	6 to 34	18	36	25.5	52
HDD RAW Capacity (TB) [†]	26 to 159	159 to 1257	52	104	26	52
Effective All-Flash Capacity (TB) [‡]	80 to 626	160 to 1120	202	484	164	329
Storage Controllers	Dual-active/active, fully redundant architecture					
Network Connectivity	16 and 8Gbps Fibre Channel, 40GbE, 10GbE copper/fibre and 1GbE					
Performance	All-flash and hybrid performance with economics of hard disks					
Physical						
Form Factor	3RU		5RU	8RU	5RU	
Typical Power Usage (Watt)	423W (1443BTU/hr)	441W (1505BTU/hr)	691W (2358BTU/hr)	887W (3026BTU/hr)	691W (2358BTU/hr)	
Physical Dimensions (WxHxD)	5.25" x 17.2" x 25.25" (134mm x 437mm x 642mm)		8.75" x 17.2" x 24.75" (222mm x 437mm x 628mm)	5.25" x 17.2" x 24.75" (134mm x 437mm x 628mm)	8.75" x 17.2" x 24.75" (222mm x 437mm x 628mm)	
Weight	80lbs (37kg) to 560lbs (255kg)		187lbs (85kg)	292lbs (132kg)	187lbs (85kg)	
Software Services						
Block and File Protocols	SAN protocols (iSCSI, Fibre Channel), NAS protocols (NFS, SMB)					
Capabilities	IntelliFlash Operating Environment: Real-time deduplication and compression, snapshots and clones, space efficient thin provisioning, remote replication, S3 Cloud Connector, Live Dataset Migration, data-at-rest encryption, and data-in-flight					
Management	IntelliFlash web UI, configuration wizard, Analytics for IntelliFlash, VMware plug-in for vCenter and support for vCenter Linked Mode, RBAC, SRA and VAAI NAS; Microsoft SCVMM/SMI-S, IP-KVM, SNMP, PowerShell Toolkit					
Hardware Availability	Redundant storage controllers, fans, power supplies, and network ports; removable SSDs and HDDs, SAS expansion					
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	Standard and Premier Service. Visit tintri.com/intelliflash					

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IntelliFlash Expansion Shelves

Models	HE-25	HE-50	FE-10	FE-25	FE-50	FE-100	FE-200	FE-400
Shelf Type	Hybrid		All-Flash					
Storage Capacity								
Flash Memory (TB) [†]	1.4	5.6	11.5	23	46	92	184	368
HDD Raw Capacity (TB)	26	52	N/A	N/A	N/A	N/A	N/A	N/A
Effective All-Flash Capacity (TB) [‡]			279	1055	1116	2232	4463	8719
Physical								
Form Factor (EIA Rack Units)	3RU		2RU					
Average Power Usage (Watt)	196W (668BTU/hr)		218W (744BTU/hr)			314W (1071BTU/hr)		
Physical Dimensions (WxHxD)	17.2" x 5.25" x 25.25" (437mm x 134mm x 642mm)		17.2" x 3.5" x 25.25" (437mm x 89mm x 642mm)					
Weight	105lbs (47.6kg)		80lbs (36.3kg) (with 24 NVMe drives)					

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[‡] Effective capacity assumes capacity after data protection, and 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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