

Western Digital®

IntelliFlash™ Product Matrix



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 – 691	2611	5222	72 – 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 & clones, remote replication, application-aware provisioning					
Management	Web browser, plug-ins for VMware vCenter and Microsoft System Center VM Manager, SSH, IP-KVM, SNMP					
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media					
Network Connectivity						
Storage Connectivity	16 & 8 Gbps Fibre Channel 40GE, 10GE Copper/Fibre & 1 Gbps Ethernet					
Limited 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, Premier and Lifetime Storage support. Visit westerndigital.com/intelliflash for details					

† Raw capacity. 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 drives, the operating system and other factors.

‡ Based on 5:1 data reduction ratio and data protection methodology.

IntelliFlash High-Density Flash Arrays

Specifications

Models	HD2040-100	HD2040-400	HD2040-700	HD2080-200	HD2080-800	HD2080-1400
Controllers	Dual-Active Controller Architecture					
Memory (GB)	464					
Processors	12 Cores per CPU (48 Total)					
Storage Capacity						
NVMe Flash (TB) †	92	369	645	184	737	1290
Effective Capacity (TB) ‡	346	1459	2611	691	2918	5222
Physical						
Form Factor (RU)	2U	8U	14U	2U	8U	14U
Weight (Lbs)	80	320	560	80	320	560
Power (Watts)	495	1149	1803	495	1149	1803
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 & clones, remote replication, application-aware provisioning					
Management	Web browser, plug-ins for VMware vCenter and Microsoft System Center VM Manager, SSH, IP-KVM, SNMP					
Security Features	Inline 256-bit AES encryption for data at rest					
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media					
Network Connectivity						
Storage Connectivity	16 & 8 Gbps Fibre Channel 40GE, 10GE Copper/Fibre & 1 Gbps Ethernet					
Limited 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, Premier and Lifetime Storage support. Visit western.digital.com/intelliflash for details					

† Raw capacity. 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 drives, the operating system and other factors.

‡ Based on 5:1 data reduction ratio and data protection methodology.

Specifications

Models	T4600	T4700	T4800
Controllers	Dual-Active Controller Architecture		
Memory (GB)	240	464	464
Processors	8 Cores per CPU (32 Total)	12 Cores per CPU (48 Total)	12 Cores per CPU (48 Total)
Storage Capacity			
Flash Memory (TB) †	11.5	23	46
Effective All-Flash Capacity (TB) ‡	43 – 1176	86 – 1259	170 – 1306
Physical			
Form Factor (RU)	2U		
Weight (Lbs)	80		
Power (Watts)	495		
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 & clones, remote replication, application-aware provisioning		
Management	Web browser, plug-ins for VMware vCenter and Microsoft System Center VM Manager, SSH, IP-KVM, SNMP		
Security Features	Inline 256-bit AES encryption for data at rest		
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media		
Network Connectivity			
Storage Connectivity	16 & 8 Gbps Fibre Channel 40GE, 10GE Copper/Fibre & 1 Gbps Ethernet		
Limited 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, Premier and Lifetime Storage support. Visit western.digital.com/intelliflash for details		

† Raw capacity. 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 drives, the operating system and other factors.

‡ Based on 5:1 data reduction ratio and data protection methodology.

IntelliFlash Hybrid Flash Arrays

PRODUCT BROCHURE

INTELLIFLASH HYBRID FLASH ARRAYS

Specifications

Models	T4100	T4200	T4630	T4730	T4760	T4860
Flash as % of Total Usable Capacity	10% Flash		30% Flash		60% Flash	
Controllers	Dual-Active Controller Architecture					
Memory (GB)	256	464	240	464	464	464
Processors	6x Cores per CPU (24 Total)	8x Cores per CPU (32 Total)	8 Cores per CPU (32 Total)	12 Cores per CPU (48 Total)	12 Cores per CPU (48 Total)	12 Cores per CPU (48 Total)
Storage Capacity						
Flash Memory (TB) †	1.5	5.8	17.3	34.6	24.5	51.8
Disk Storage (TB) †	26	52	52	104	26	52
Effective All-Flash Capacity (TB) †	N/A	N/A	43-984	86-835	86-1027	173-1114
Effective Hybrid Capacity (TB) †	80 - 1040	160 - 1120	160 - 960	320 - 960	80 - 880	160 - 960
Physical						
Form Factor (RU)	3U	3U	5U	8U	5U	5U
Weight (Lbs)	105	105	185	290	185	185
Power (Watts)	423	441	691	887	691	691
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 & clones, remote replication, application-aware provisioning					
Management	Web browser, plug-ins for VMware vCenter and Microsoft System Center VM Manager, SSH, IP-KVM, SNMP					
Security Features	Inline 256-bit AES encryption for data at rest					
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media					
Network Connectivity						
Storage Connectivity	16 & 8 Gbps Fibre Channel 40GE, 10GE Copper/Fibre & 1 Gbps Ethernet					
Limited 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, Premier and Lifetime Storage support. Visit westerndigital.com/intelliflash for details					

† Raw capacity. 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 drives, the operating system and other factors.

* Based on 5:1 data reduction ratio and data protection methodology.

IntelliFlash Expansion Shelves

Models	HE-25	HE-50	FE-10	FE-25	FE-50	FE-100
Shelf Type	Hybrid Flash		All-Flash			
Storage Capacity						
Flash Memory (TB) †	1.5	5.8	11.5	23	46	92
Disk Storage (TB) †	26	52	N/A	N/A	N/A	N/A
Physical						
Form Factor (RU)	3U		2U			
Weight (Lbs)	105		80			
Power (Watts)	196		218			

† 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 drives, the operating system and other factors.

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