



*IntelliFlash*

*HD*



IntelliFlash™ HD is the latest storage innovation from Tegile Systems. By combining Tegile's IntelliFlash storage operating system with the highest density flash in the market, IntelliFlash HD is the only storage platform in the market that delivers the performance and economics to enable enterprises to move to an all-flash data center.



## Hyper-Consolidate your Data Center

At the core of the IntelliFlash HD is the same software architecture that powers Tegile's award-winning portfolio of All-Flash and Hybrid arrays.

The IntelliFlash platform brings together several architectural innovations in flash management, data persistence, and data management to enable IntelliFlash HD to deliver unprecedented levels of consolidation, simplicity, and economics.

Tegile arrays can already run any and all of an organization's workloads. With IntelliFlash HD, it can consolidate them onto the same array to achieve the best balance of performance and economics at scale.

*"The IntelliFlash HD has proven to be a valuable asset as we are always looking for ways to improve our post-production process. Given its efficient economics and powerful density, we have already begun using it to consolidate virtualized applications, SQL databases, and workstations boot from SAN."*

**- Tab Butler, Sr. Director of Media Management, MLB Network**

# IntelliFlash™ HD Storage Arrays

## Features

**Scalable Architecture** - Dual active controller scale up architecture that allows for easy capacity and performance growth

**High Capacity Density** - Up to 5PB of effective capacity in a compact 10U footprint

**Sustained Performance** - High throughput and low latency for mixed workload consolidation and analytics

**Unified Storage** - Native block (FC, iSCSI) and file (NFS, CIFS/SMB3) access that can be run concurrently

**Comprehensive Data Services** - Inline deduplication and compression, snapshots, read/write clones, and thin provisioning

**Affordable Disaster Recovery** - Replicate between all-flash AND hybrid configurations

**Simplified Management** - Single UI management for all operations

**VMware Support** - Includes a vCenter plug-in and integrates with VMware SRM and VAAI



## Benefits

**One Flash Platform for ANY Workload** - The industry's leading all-flash array that enables the transformation to an all-flash datacenter

**The Performance you want** - IntelliFlash HD can handle your most intense workloads.

**The Capacity you need** - Performance means nothing if you don't have the space to use it. IntelliFlash HD delivers petabytes of capacity in a single rack.

**Unmatched Economics** - With industry-leading densities, you will find the perfect balance of performance and economics.

**Simple Scaling** - As needs change, you can add all-flash expansion shelves.

**Unmatched Compatibility** - With multiple certified configurations with Oracle, Microsoft, VMware and many others, IntelliFlash HD is ready for your IT environment.

**Industry Leading OpEx** - With a platform that is energy efficient, features inline data reduction, and is easy to maintain, customers save on power, cooling, and labor.

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**Western Digital®**



# IntelliFlash™ High-Density Flash Arrays

Models	HD2040-100	HD2040-400	HD2040-700	HD2080-200	HD2080-800	HD2080-1400
Flash as % of Total Usable Capacity	100% Flash					
Controllers	Dual-Active Controller Architecture					
Memory (GB)	464					
<b>Storage Capacity</b>						
Flash Memory (TB) †	92	369	645	184	737	1290
Effective All-Flash Capacity (TB) ‡	346	1421	2496	691	2842	4992
<b>Physical</b>						
Form Factor (RU)	2U	6U	10U	2U	6U	10U
Weight (Lbs)	80	200	320	80	200	320
Power (Watts)	495	1305	2115	495	1305	2115
<b>Software Services</b>						
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 VMM, SSH, IP-KVM, SNMP					
Data Security	Inline 256-bit AES encryption for data at rest					
Redundancy	No single point of failure, Active/Active high availability architecture, dual ported storage media					
<b>Network Connectivity</b>						
Lights-out Management Ports	2 x 1 Gbps KVM over IP					
Storage Connectivity	16 & 8 Gbps Fibre Channel, 10GE Copper/Fibre & 1 Gbps Ethernet					
<b>Warranty</b>						
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 <a href="http://www.tegile.com/intellicare">www.tegile.com/intellicare</a> for details					

† Values indicated are RAW capacity. All storage capacities are measured in Gigabytes (GB) or Terabytes (TB) using base-10 math.

‡ 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. All storage capacities are measured in Gigabytes (GB) or Terabytes (TB) using base-10 math.